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Level 6

Where do bugs like to live in your house?

14th November, 2017

<https://breakingnewsenglish.com/1711/171114-household-bugs.html>

Contents

| | | | |
|--------------------------------|----|--|----|
| The Article | 2 | Discussion (Student-Created Qs) | 15 |
| Warm-Ups | 3 | Language Work (Cloze) | 16 |
| Vocabulary | 4 | Spelling | 17 |
| Before Reading / Listening | 5 | Put The Text Back Together | 18 |
| Gap Fill | 6 | Put The Words In The Right Order | 19 |
| Match The Sentences And Listen | 7 | Circle The Correct Word | 20 |
| Listening Gap Fill | 8 | Insert The Vowels (a, e, i, o, u) | 21 |
| Comprehension Questions | 9 | Punctuate The Text And Add Capitals | 22 |
| Multiple Choice - Quiz | 10 | Put A Slash (/) Where The Spaces Are | 23 |
| Role Play | 11 | Free Writing | 24 |
| After Reading / Listening | 12 | Academic Writing | 25 |
| Student Survey | 13 | Homework | 26 |
| Discussion (20 Questions) | 14 | Answers | 27 |

Please try Levels 4 and 5 (they are easier).

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THE ARTICLE

From <https://breakingnewsenglish.com/1711/171114-household-bugs.html>

Scientists have discovered where bugs most like to live in your house. There is a rich diversity of insects and other creepy-crawlies we share our homes with and they all have particular tastes regarding accommodation. Researchers from universities in the USA and Denmark studied different physical factors in 50 houses to find out what affected where bugs lived. They discovered that the largest number of bugs generally reside in ground-level, carpeted rooms that have many windows. Lead author of the research, Dr Misha Leong, said: "We are just beginning to realize and study how the home we create for ourselves also builds a complex, indoor habitat for bugs and other life."

The researchers found that every room in a house offered differing ecological environments for bugs. They found that booklice, fruit flies and ladybugs preferred living rooms. Spiders, ants, centipedes and beetles were more likely to live in darker, damper places like basements. The researchers said there were many benefits of sharing our homes with insects and other bugs. They said many were essential for ensuring microbes we need to stay healthy are present in our homes. They also play an essential role in cleaning up microscopic waste we create. Dr Leong said: "We're hoping to better understand this age-old coexistence, and how it may impact our physical and mental well-being."

Sources: https://eurekaalert.org/pub_releases/2017-11/caos-sih110717.php
<https://www.upi.com/New-study-shows-preferred-spots-for-household-insects/4851510422237/>
<https://uk.news.yahoo.com/bugs-house-why-insects-living-132049710.html>

WARM-UPS

1. HOUSEHOLD BUGS: Students walk around the class and talk to other students about household bugs. Change partners often and share your findings.

2. CHAT: In pairs / groups, talk about these topics or words from the article. What will the article say about them? What can you say about these words and your life?

scientists / bugs / homes / tastes / accommodation / carpeted rooms / windows / life researchers / environments / beetles / basements / benefits / microscopic / physical

Have a chat about the topics you liked. Change topics and partners frequently.

3. BUGS: Students A **strongly** believe bugs are useful; Students B **strongly** believe bugs are not useful. Change partners again and talk about your conversations.

4. CREEPY-CRAWLIES: What do you know about these bugs? Complete this table with your partner(s). Change partners often and share what you wrote.

| | What I know? | What I want to know |
|------------|--------------|---------------------|
| Ants | | |
| Spiders | | |
| Centipedes | | |
| Ladybugs | | |
| Ants | | |
| Beetles | | |

5. DIVERSITY: Spend one minute writing down all of the different words you associate with the word "diversity". Share your words with your partner(s) and talk about them. Together, put the words into different categories.

6. USEFUL: Rank these with your partner. Put the most useful insects at the top. Change partners often and share your rankings.

- ants
- butterflies
- cockroaches
- spiders
- bees
- worms
- ladybugs
- dragonflies

VOCABULARY MATCHING

Paragraph 1

- | | |
|--------------------|---|
| 1. diversity | a. The natural home or environment of a human, animal, plant, or other organism. |
| 2. creepy-crawlies | b. Having a range or variety of different things. |
| 3. particular | c. Live somewhere. |
| 4. accommodation | d. A spider, worm, or other small, flightless creature, especially when considered unpleasant or frightening. |
| 5. reside | e. A place to live. |
| 6. realize | f. Used to single out or focus on an individual member of a group or class. |
| 7. habitat | g. Become fully aware of something as a fact; understand clearly. |

Paragraph 2

- | | |
|-----------------|--|
| 8. ecological | h. Relating to or concerned with the relation of living organisms to one another and to their physical surroundings. |
| 9. preferred | i. Live peacefully and tolerantly with people or animals that are different. |
| 10. centipedes | j. Liked one thing or person more than another. |
| 11. damper | k. So small we can't see it with our eyes. |
| 12. essential | l. Long, insect-like animals with many, many, many pairs of legs. |
| 13. microscopic | m. More wet. |
| 14. coexistence | n. Absolutely necessary; extremely important. |

BEFORE READING / LISTENING

From <https://breakingnewsenglish.com/1711/171114-household-bugs.html>

1. TRUE / FALSE: Read the headline. Guess if a-h below are true (T) or false (F).

- a. The article says insects make us richer. **T / F**
- b. Researchers from universities in three countries conducted the research. **T / F**
- c. Researchers said most bugs lived in the kitchen. **T / F**
- d. A researcher said we are just beginning to understand bugs in the home. **T / F**
- e. Rooms in houses offer different environments to bugs. **T / F**
- f. Researchers said fruit flies prefer to live in kitchens. **T / F**
- g. Researchers said bugs in the house were important for our health. **T / F**
- h. A researcher wants to know more about how we live with bugs. **T / F**

2. SYNONYM MATCH:

Match the following synonyms. The words in **bold** are from the news article.

- | | |
|-----------------------|----------------|
| 1. rich | a. environment |
| 2. diversity | b. effect |
| 3. tastes | c. probably |
| 4. reside | d. plentiful |
| 5. habitat | e. crucial |
| 6. likely | f. preferences |
| 7. essential | g. part |
| 8. role | h. welfare |
| 9. impact | i. variety |
| 10. well-being | j. live in |

3. PHRASE MATCH: (Sometimes more than one choice is possible.)

- | | |
|---|--------------------------|
| 1. where bugs most like to | a. have many windows |
| 2. There is a rich diversity | b. tastes |
| 3. they all have particular | c. waste we create |
| 4. ground-level, carpeted rooms that | d. for ourselves |
| 5. study how the home we create | e. living rooms |
| 6. fruit flies and ladybugs preferred | f. live in your house |
| 7. live in darker, damper | g. well-being |
| 8. microbes we need | h. places like basements |
| 9. an essential role in cleaning up microscopic | i. of insects |
| 10. it may impact our physical and mental | j. to stay healthy |

GAP FILL

From <https://breakingnewsenglish.com/1711/171114-household-bugs.html>

Scientists have discovered where bugs most like to live in your house. There is a (1) _____ diversity of insects and other creepy-crawlies we share our homes with and they all have (2) _____ tastes regarding accommodation. Researchers from universities in the USA and Denmark studied different (3) _____ factors in 50 houses to find out what (4) _____ where bugs lived. They discovered that the largest number of bugs (5) _____ reside in ground-level, carpeted rooms that have many (6) _____. Lead author of the research, Dr Misha Leong, said: "We are just beginning to (7) _____ and study how the home we create for ourselves also builds a complex, indoor (8) _____ for bugs and other life."

physical
generally
habitat
rich
affected
realize
particular
windows

The researchers found that every room in a house offered (9) _____ ecological environments for bugs. They found that booklice, fruit flies and ladybugs (10) _____ living rooms. Spiders, ants, centipedes and (11) _____ were more likely to live in darker, damper places like basements. The researchers said there were many (12) _____ of sharing our homes with insects and other bugs. They said many were (13) _____ for ensuring microbes we need to stay healthy are present in our homes. They also play an essential role in cleaning up (14) _____ waste we create. Dr Leong said: "We're hoping to better understand this age-old (15) _____, and how it may (16) _____ our physical and mental well-being."

preferred
microscopic
benefits
impact
differing
coexistence
beetles
essential

LISTENING – Guess the answers. Listen to check.

From <https://breakingnewsenglish.com/1711/171114-household-bugs.html>

- 1) There is a rich diversity of insects and other _____
 - a. creepy-crawl lies
 - b. creep-pee-crawlies
 - c. creepy-claw lies
 - d. creepy-crawlies
- 2) we share our homes with and they all have _____
 - a. particularly tastes
 - b. particular tastes
 - c. particulars tastes
 - d. particularity tastes
- 3) studied different physical factors in 50 houses to find out what _____ lived
 - a. affected where bugs
 - b. infected where bugs
 - c. reflected where bugs
 - d. effected where bugs
- 4) the largest number of bugs generally reside in ground-level, _____
 - a. carpet it rooms
 - b. car petted rooms
 - c. carpet did rooms
 - d. carpeted rooms
- 5) We are just beginning to realize and study how the home we _____
 - a. creates for ourselves
 - b. create for yourselves
 - c. create for ourselves
 - d. creates for yourselves
- 6) researchers found that every room in a house offered _____ environments
 - a. differing ecological
 - b. differ in encological
 - c. differing ecologically
 - d. differing encological
- 7) They found that booklice, fruit flies and ladybugs _____ rooms
 - a. prefers live in
 - b. preferred living in
 - c. preferred living
 - d. prefers living
- 8) centipedes and beetles were more likely to live in darker, _____
 - a. damper places
 - b. dumper places
 - c. damp per places
 - d. dump per places
- 9) They said many were essential for ensuring microbes we _____ healthy
 - a. need to stay
 - b. needs to stay
 - c. need too stay
 - d. need to stays
- 10) this age-old coexistence, and how it may impact our physical and mental _____
 - a. well-been
 - b. well-being
 - c. well-bean
 - d. well-be in

LISTENING – Listen and fill in the gaps

From <https://breakingnewsenglish.com/1711/171114-household-bugs.html>

Scientists have discovered where bugs most like to live in your house. There is a (1) _____ insects and other creepy-crawlies we share our homes with and they all have (2) _____ regarding accommodation. Researchers from universities in the USA and Denmark studied different (3) _____ 50 houses to find out what affected where bugs lived. They discovered that the largest number of bugs (4) _____ ground-level, carpeted rooms that have many windows. Lead author of the research, Dr Misha Leong, said: "We are just (5) _____ and study how the home we create for ourselves also builds a complex, (6) _____ bugs and other life."

The researchers found that every room in a house offered (7) _____ environments for bugs. They found that booklice, fruit flies and ladybugs preferred living rooms. Spiders, (8) _____ and beetles were more likely to live in darker, damper places like basements. The researchers said there (9) _____ of sharing our homes with insects and other bugs. They said many were essential for (10) _____ we need to stay healthy are present in our homes. They also play (11) _____ in cleaning up microscopic waste we create. Dr Leong said: "We're hoping to better understand this age-old coexistence, and how it may impact our physical and (12) _____."

COMPREHENSION QUESTIONS

From <https://breakingnewsenglish.com/1711/171114-household-bugs.html>

1. What did scientists say was rich?
2. What do insects have differing tastes for?
3. How many houses did the researchers use in their study?
4. What room did the researchers say most bugs lived in?
5. What is Misha Leong's role in this research?
6. What insects preferred living rooms besides booklice and fruit flies?
7. What kind of damp place was mentioned?
8. What did the article say was essential to keep us healthy?
9. What kind of waste do insects play a role in cleaning up?
10. What age-old thing did a researcher say she wanted to understand?

MULTIPLE CHOICE - QUIZ

From <https://breakingnewsenglish.com/1711/171114-household-bugs.html>

- 1) What did scientists say was rich?
 - a) environments
 - b) diversity of insects
 - c) money
 - d) accommodation
- 2) What do insects have differing tastes for?
 - a) houses
 - b) food
 - c) universities
 - d) accommodation
- 3) How many houses did the researchers use in their study?
 - a) 40
 - b) 60
 - c) 50
 - d) 70
- 4) What kind of rooms did the researchers say most bugs lived in?
 - a) carpeted rooms
 - b) comfortable rooms
 - c) dirty rooms
 - d) kitchens
- 5) What is Misha Leong's role in this research?
 - a) housing expert
 - b) lead author
 - c) insect expert
 - d) insect collector
- 6) What insects preferred living rooms besides booklice and fruit flies?
 - a) ladybugs
 - b) centipedes
 - c) ants
 - d) bees
- 7) What kind of damp place was mentioned?
 - a) bathroomss
 - b) gardens
 - c) basements
 - d) swimming pools
- 8) What did the article say was essential to keep us healthy?
 - a) microbes
 - b) nutrients
 - c) exercise
 - d) ants
- 9) What kind of waste do insects play a role in cleaning up?
 - a) huge waste
 - b) vegetable waste
 - c) radioactive waste
 - d) microscopic waste
- 10) What age-old thing did a researcher say she wanted to understand?
 - a) carpets
 - b) centipedes
 - c) our co-existence with insects
 - d) the Pyramids

ROLE PLAY

From <https://breakingnewsenglish.com/1711/171114-household-bugs.html>

Role A – Ants

You think ants are the most useful insects. Tell the others three reasons why. Tell them why their insects are not as useful. Also, tell the others which is the least useful of these (and why): butterflies, spiders or bees.

Role B – Butterflies

You think butterflies are the most useful insects. Tell the others three reasons why. Tell them why their insects are not as useful. Also, tell the others which is the least useful of these (and why): ants, spiders or bees.

Role C – Spiders

You think spiders are the most useful insects. Tell the others three reasons why. Tell them why their insects are not as useful. Also, tell the others which is the least useful of these (and why): butterflies, ants or bees.

Role D – Bees

You think bees are the most useful insects. Tell the others three reasons why. Tell them why their insects are not as useful. Also, tell the others which is the least useful of these (and why): butterflies, spiders or ants.

AFTER READING / LISTENING

From <https://breakingnewsenglish.com/1711/171114-household-bugs.html>

1. WORD SEARCH: Look in your dictionary / computer to find collocates, other meanings, information, synonyms ... for the words 'bug' and 'insect'.

| bug | insect |
|-----|--------|
| | |

- Share your findings with your partners.
- Make questions using the words you found.
- Ask your partner / group your questions.

2. ARTICLE QUESTIONS: Look back at the article and write down some questions you would like to ask the class about the text.

- Share your questions with other classmates / groups.
- Ask your partner / group your questions.

3. GAP FILL: In pairs / groups, compare your answers to this exercise. Check your answers. Talk about the words from the activity. Were they new, interesting, worth learning...?

4. VOCABULARY: Circle any words you do not understand. In groups, pool unknown words and use dictionaries to find their meanings.

5. TEST EACH OTHER: Look at the words below. With your partner, try to recall how they were used in the text:

| | |
|--|---|
| <ul style="list-style-type: none">• most• rich• tastes• 50• windows• just | <ul style="list-style-type: none">• offered• preferred• benefits• stay• role• impact |
|--|---|

HOUSEHOLD BUGS SURVEY

From <https://breakingnewsenglish.com/1711/171114-household-bugs.html>

Write five GOOD questions about household bugs in the table. Do this in pairs. Each student must write the questions on his / her own paper. When you have finished, interview other students. Write down their answers.

| | STUDENT 1 _____ | STUDENT 2 _____ | STUDENT 3 _____ |
|------|--------------------|--------------------|--------------------|
| Q.1. | | | |
| Q.2. | | | |
| Q.3. | | | |
| Q.4. | | | |
| Q.5. | | | |

- Now return to your original partner and share and talk about what you found out. Change partners often.
- Make mini-presentations to other groups on your findings.

HOUSEHOLD BUGS DISCUSSION

STUDENT A's QUESTIONS (Do not show these to student B)

1. What did you think when you read the headline?
2. What images are in your mind when you hear the word 'bug'?
3. What kind of bugs live in your house?
4. How do you feel about insects in your house?
5. What are your favourite insects and why?
6. What are the most useless insects in the world?
7. Why do so many people hate insects?
8. What use are insects?
9. What do you do when you see insects in your house?
10. Why do different insects prefer different rooms in a house?

Where do bugs like to live in your house? – 14th November, 2017
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HOUSEHOLD BUGS DISCUSSION

STUDENT B's QUESTIONS (Do not show these to student A)

11. Did you like reading this article? Why/not?
12. What do you think of when you hear the word 'insect'?
13. What do you think about what you read?
14. What insects do you dislike?
15. Would you rather live with or without insects?
16. What would happen to the world if insects disappeared?
17. How can insects make us healthier?
18. What is the coolest thing that insects do?
19. What insect would be best for a superhero?
20. What questions would you like to ask the researchers?

DISCUSSION (Write your own questions)

STUDENT A's QUESTIONS (Do not show these to student B)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

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DISCUSSION (Write your own questions)

STUDENT B's QUESTIONS (Do not show these to student A)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

LANGUAGE - CLOZE

From <https://breakingnewsenglish.com/1711/171114-household-bugs.html>

Scientists have (1) _____ where bugs most like to live in your house. There is a rich diversity of insects and other (2) _____-crawlies we share our homes with and they all have particular (3) _____ regarding accommodation. Researchers from universities in the USA and Denmark studied different physical factors in 50 houses to find out what (4) _____ where bugs lived. They discovered that the largest number of bugs generally (5) _____ in ground-level, carpeted rooms that have many windows. Lead author of the research, Dr Misha Leong, said: "We are just beginning to realize and study how the home we create for ourselves also builds a complex, indoor (6) _____ for bugs and other life."

The researchers found that every room in a house offered (7) _____ ecological environments for bugs. They found that booklice, fruit flies and ladybugs preferred living rooms. Spiders, ants, centipedes and beetles were more (8) _____ live in darker, damper places like basements. The researchers said there were many benefits (9) _____ sharing our homes with insects and other bugs. They said many were essential (10) _____ ensuring microbes we need to stay healthy are present in our homes. They also play an essential role (11) _____ cleaning up microscopic waste we create. Dr Leong said: "We're hoping to better understand this age-old coexistence, and how it may (12) _____ our physical and mental well-being."

Put the correct words from the table below in the above article.

- | | | | | |
|-----|---------------|----------------|----------------|------------------|
| 1. | (a) discover | (b) discovered | (c) discovery | (d) discovers |
| 2. | (a) crept | (b) crept | (c) creeps | (d) creepy |
| 3. | (a) tastes | (b) feels | (c) touches | (d) sees |
| 4. | (a) effected | (b) infected | (c) affected | (d) reflected |
| 5. | (a) deride | (b) reside | (c) aside | (d) beside |
| 6. | (a) habitat | (b) inhabit | (c) inhabitant | (d) habitually |
| 7. | (a) diffident | (b) diffusing | (c) differing | (d) differential |
| 8. | (a) likely | (b) likeable | (c) liking | (d) liken |
| 9. | (a) of | (b) by | (c) at | (d) as |
| 10. | (a) of | (b) at | (c) by | (d) for |
| 11. | (a) as | (b) in | (c) so | (d) such |
| 12. | (a) packed | (b) pact | (c) compact | (d) impact |

SPELLING

From <https://breakingnewsenglish.com/1711/171114-household-bugs.html>

Paragraph 1

1. There is a rich yrtidives of insects
2. all have rriuatcpal tastes regarding accommodation
3. find out what acedftf where bugs lived
4. the largest number of bugs nylarlgee reside
5. We are just beginning to arielez
6. a complex, indoor abtisah

Paragraph 2

7. differing caoglicelo environments
8. esecdnepit and beetles
9. damper places like nasmetsbe
10. They said many were esselitna
11. cleaning up compicrosic waste
12. understand this age-old ceextiesnoc

PUT THE TEXT BACK TOGETHER

From <https://breakingnewsenglish.com/1711/171114-household-bugs.html>

Number these lines in the correct order.

- () "We are just beginning to realize and study how the home we create for
- () essential role in cleaning up microscopic waste we create. Dr Leong said: "We're hoping to better understand
- () for bugs. They found that booklice, fruit flies and ladybugs preferred living rooms. Spiders, ants, centipedes and
- () of insects and other creepy-crawlies we share our homes with and they all have particular
- () this age-old coexistence, and how it may impact our physical and mental well-being."
- () essential for ensuring microbes we need to stay healthy are present in our homes. They also play an
- () reside in ground-level, carpeted rooms that have many windows. Lead author of the research, Dr Misha Leong, said:
- () tastes regarding accommodation. Researchers from universities in the USA and Denmark studied different physical
- () beetles were more likely to live in darker, damper places like basements. The researchers said there were many
- () benefits for sharing our homes with insects and other bugs. They said many were
- () The researchers found that every room in a house offered differing ecological environments
- () ourselves also builds a complex, indoor habitat for bugs and other life."
- () factors in 50 houses to find out what affected where bugs lived. They discovered that the largest number of bugs generally
- (**1**) Scientists have discovered where bugs most like to live in your house. There is a rich diversity

PUT THE WORDS IN THE RIGHT ORDER

From <https://breakingnewsenglish.com/1711/171114-household-bugs.html>

1. discovered to where live bugs Scientists most have like .
2. have tastes accommodation all particular regarding They .
3. lived out affected bugs Find what where .
4. level rooms reside carpeted generally ground- , Bugs in .
5. other life Builds a complex , indoor habitat for bugs and .
6. basements live , like likely to darker places More in damper .
7. our sharing for benefits Many insects with homes .
8. stay microbes healthy we are need present to Ensuring .
9. up essential microscopic role waste in Play cleaning an .
10. understand We're better age-old coexistence to this hoping .

CIRCLE THE CORRECT WORD (20 PAIRS)

From <https://breakingnewsenglish.com/1711/171114-household-bugs.html>

Scientists have discovered where bugs most *likely / like* to live in your house. There is a rich *diversity / diverse* of insects and other creepy-crawlies we share our homes *by / with* and they all have *particularly / particular* tastes regarding accommodation. Researchers from universities in the USA and Denmark studied different physical *factors / factories* in 50 houses to find out what *effected / affected* where bugs lived. They discovered that the largest number of bugs generally *reside / beside* in ground-level, carpeted rooms that have many windows. Lead author of *a / the* research, Dr Misha Leong, said: "We are just *beginning / begun* to realize and study how the home we create for ourselves also builds a complex, indoor habitat for bugs and *other / another* life."

The researchers found that every room in a house *offering / offered* differing ecological environments for bugs. They found that booklice, fruit flies and ladybugs *preferred / preferring* living rooms. Spiders, ants, centipedes and beetles were more *liken / likely* to live in darker, damper places like *basements / basement*. The researchers said there were many *beneficial / benefits* of sharing our homes with insects and *another / other* bugs. They said many were *essential / essence* for ensuring microbes we need to stay healthy are present in our homes. They also *do / play* an essential role in cleaning up microscopic *paste / waste* we create. Dr Leong said: "We're hoping to better understand this age-old coexistence, and how it may *impact / compact* our physical and mental well-being."

Talk about the connection between each pair of words in italics, and why the correct word is correct.

INSERT THE VOWELS (a, e, i, o, u)

From <https://breakingnewsenglish.com/1711/171114-household-bugs.html>

Sc__nt__sts h__v__ d__sc__v__r__d wh__r__ b__gs m__st l__k__ t__
l__v__ __n y__r h__s__. Th__r__ s__ r__ch d__v__rs ty__ f__
__ns__cts __nd th__r cr__py__cr__wl__s w__ sh__r__ __r h__m__s
w__th __nd th__y __ll h__v__ p__rt__c__l__r t__st__s r__g__rd__ng
__cc__mm__d__t__n. R__s__rch__rs fr__m __n__v__rs__t__s __n
th__ __S__ __nd D__nm__rk st__d__d d__ff__r__nt phys__c__l
f__ct__rs __n 50 h__s__s t__f__nd __t wh__t __ff__ct__d wh__r__
b__gs l__v__d. Th__y d__sc__v__r__d th__t th__ l__rg__st n__mb__r
__f b__gs g__n__r__lly r__s__d__ __n gr__nd__l__v__l, c__rp__t__d
r__ms th__t h__v__ m__ny w__nd__ws. L__d __th__r__f th__
r__s__rch, Dr M__sh__ L__ng, s__d: "W__ __r__ j__st
b__g__nn__ng t__ r__l__z__ __nd st__dy h__w th__ h__m__ w__
cr__t__ f__r __rs__lv__s __ls b__lds __ c__mpl__x, __nd__r
h__b__t__t__f__r b__gs __nd th__r l__f__."

Th__ r__s__rch__rs f__nd th__t __v__ry r__m __n __ h__s__
__ff__r__d d__ff__r__ng __c__l__g__c__l __nv__r__nm__nts f__r b__gs.
Th__y f__nd th__t b__kl__c__, fr__t fl__s __nd l__dyb__gs
pr__f__rr__d l__v__ng r__ms. Sp__d__rs, __nts, c__nt__p__d__s __nd
b__tl__s w__r__ m__r__l__k__ly t__l__v__ __n d__rk__r, d__mp__r
pl__c__s l__k__ b__s__m__nts. Th__ r__s__rch__rs s__d th__r__
w__r__ m__ny b__nf__ts __f sh__r__ng __r h__m__s w__th
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__ss__nt__l f__r __ns__r__ng m__cr__b__s w__n__d t__st__y
h__lthy __r pr__s__nt __n __r h__m__s. Th__y __ls__ pl__y __n
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cr__t__. Dr L__ng s__d: "W__'r__ h__p__ng t__ b__tt__r
__nd r__st__nd th__s __g__-ld c__x__st__nc__, __nd h__w __t m__y
__mp__ct __r phys__c__l __nd m__nt__l w__ll__b__ng."

PUNCTUATE THE TEXT AND ADD CAPITALS

From <https://breakingnewsenglish.com/1711/171114-household-bugs.html>

scientists have discovered where bugs most like to live in your house there is a rich diversity of insects and other creepy-crawlies we share our homes with and they all have particular tastes regarding accommodation researchers from universities in the usa and denmark studied different physical factors in 50 houses to find out what affected where bugs lived they discovered that the largest number of bugs generally reside in ground-level carpeted rooms that have many windows lead author of the research dr misha leong said "we are just beginning to realize and study how the home we create for ourselves also builds a complex indoor habitat for bugs and other life"

the researchers found that every room in a house offered differing ecological environments for bugs they found that booklice fruit flies and ladybugs preferred living rooms spiders ants centipedes and beetles were more likely to live in darker damper places like basements the researchers said there were many benefits of sharing our homes with insects and other bugs they said many were essential for ensuring microbes we need to stay healthy are present in our homes they also play an essential role in cleaning up microscopic waste we create dr leong said "we're hoping to better understand this age-old coexistence and how it may impact our physical and mental well-being"

PUT A SLASH (/) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/1711/171114-household-bugs.html>

Scientists have discovered where bugs most likely to live in your house. The rich diversity of insects and other creepy-crawlies we share our homes with and they all have particular tastes regarding accommodation. Researchers from universities in the USA and Denmark studied different physical factors in 50 houses to find out what affected where bugs lived. They discovered that the largest number of bugs generally reside in ground-level, carpeted rooms that have many windows. Lead author of the research, Dr Misha Leong, said: "We are just beginning to realize and study how the home we create for ourselves also builds a complex, indoor habitat for bugs and other life." The researchers found that every room in a house offered differing ecological environments for bugs. They found that booklice, fruit flies and ladybugs preferred living rooms. Spiders, ants, centipedes and beetles were more likely to live in darker, damper places like basements. The researchers said there were many benefits of sharing our homes with insects and other bugs. They said many were essential for ensuring microbes we need to stay healthy are present in our homes. They also play an essential role in cleaning up microscopic waste we create. Dr Leong said: "We're hoping to better understand this age-old coexistence, and how it may impact our physical and mental well-being."

FREE WRITING

From <https://breakingnewsenglish.com/1711/171114-household-bugs.html>

Write about **household bugs** for 10 minutes. Comment on your partner's paper.

ACADEMIC WRITING

From <https://breakingnewsenglish.com/1711/171114-household-bugs.html>

We need a chemical to kill all bugs in the home forever. Discuss.

HOMework

1. VOCABULARY EXTENSION: Choose several of the words from the text. Use a dictionary or Google's search field (or another search engine) to build up more associations / collocations of each word.

2. INTERNET: Search the Internet and find out more about this news story. Share what you discover with your partner(s) in the next lesson.

3. HOUSEHOLD BUGS: Make a poster about household bugs. Show your work to your classmates in the next lesson. Did you all have similar things?

4. BUG REMOVAL: Write a magazine article about removing all household bugs people's homes. Include imaginary interviews with people who are for and against this.

Read what you wrote to your classmates in the next lesson. Write down any new words and expressions you hear from your partner(s).

5. WHAT HAPPENED NEXT? Write a newspaper article about the next stage in this news story. Read what you wrote to your classmates in the next lesson. Give each other feedback on your articles.

6. LETTER: Write a letter to an expert on household bugs. Ask him/her three questions about them. Give him/her three of your opinions of insects in the home. Read your letter to your partner(s) in your next lesson. Your partner(s) will answer your questions.

ANSWERS

VOCABULARY (p.4)

1. b 2. d 3. f 4. e 5. c 6. g 7. a
8. h 9. j 10. l 11. m 12. n 13. k 14. i

TRUE / FALSE (p.5)

- a F b F c F d T e T f F g T h T

SYNONYM MATCH (p.5)

- | | |
|----------------|----------------|
| 1. rich | a. plentiful |
| 2. diversity | b. variety |
| 3. tastes | c. preferences |
| 4. reside | d. live in |
| 5. habitat | e. environment |
| 6. likely | f. probably |
| 7. essential | g. crucial |
| 8. role | h. part |
| 9. impact | i. effect |
| 10. well-being | j. welfare |

COMPREHENSION QUESTIONS (p.9)

1. Diversity of insects
2. Accommodation
3. 50
4. Ground-level, carpeted rooms with windows
5. Lead author
6. Ladybugs
7. Basements
8. Microbes
9. Microscopic waste
10. Our co-existence with insects

MULTIPLE CHOICE - QUIZ (p.10)

1. b 2. d 3. c 4. a 5. b 6. a 7. c 8. a 9. d 10. c

ALL OTHER EXERCISES

Please check for yourself by looking at the Article on page 2.
(It's good for your English ;-)