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Level 2 New gym opens to train robots

1st May, 2016

http://www.breakingnewsenglish.com/1605/160501-robot-gym-2.html

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Please try Levels 0 and 1 (easier) and the 26-page Level 3 (harder).



THE READING

From http://www.breakingnewsenglish.com/1605/160501-robot-gym-2.html

A group headed by Elon Musk has opened a kind of gym for robots, called OpenAI Gym. Mr Musk is the boss of the electric car company Tesla Motors and the space travel company, SpaceX. He also founded the online payments website PayPal. His latest project is an open platform for code writers to test their latest work. People are free to test their ideas for artificial intelligence (A.I.) on it. Researchers can test and share their algorithms for A.I. Algorithms are special sets of rules in a computer program that can solve problems and deal with lots of information.

Mr Musk wrote about why his team decided to make the OpenAI Gym free. He said: "Our goal is to advance digital intelligence in the way that is most likely to benefit humanity as a whole, [without the] need to generate [money]." The OpenAI Gym follows the idea of giving rewards for learning – like giving a dog a treat when it learns something new. If an algorithm does well in the gym, it gets a reward. If it fails, it gets no reward. The aim of the gym is to develop an algorithm that can multi-task; to do many things at the same time, rather than just one thing.

Sources: http://thescienceexplorer.com/technology/elon-musk-launches-ai-gym-make-robot-brains-versatileour-own http://www.computerworld.com/article/3063674/emerging-technology/elon-musk-opens-virtualgym-to-train-your-robots.html http://www.dailymail.co.uk/sciencetech/article-3564752/

MATCHING

From http://www.breakingnewsenglish.com/1605/160501-robot-gym-2.html

PARAGRAPH ONE:

- 1. the boss of the a.
- 2. space
- 3. an open
- 4. code
- 5. artificial
- 6. Algorithms are special sets
- 7. a computer program that can solve
- 8. deal with lots

PARAGRAPH TWO:

- 1. why his team decided to make a.
- 2. benefit humanity
- 3. generate
- 4. giving rewards
- 5. giving a dog a treat when it
- 6. develop an algorithm that can
- 7. do many things at
- 8. rather than

- of rules
- b. writers
- problems c.
- d. travel
- electric car company e.
- f. of information
- g. platform
- h. intelligence
- money
- b. the same time
- c. learns something new
- d. just one thing
- the OpenAI Gym free e.
- f. as a whole
- multi-task g.
- h. for learning

LISTEN AND FILL IN THE GAPS

From http://www.breakingnewsenglish.com/1605/160501-robot-gym-2.html

A group headed by Elon Musk (1) _____ kind of robots, called OpenAI Gym. Mr for Musk qym (2) ______ electric car company Tesla Motors and the space travel company, SpaceX. He (3) online payments website PayPal. His latest project is an open platform for code writers (4) _____ latest work. People are free to test their ideas for artificial intelligence (A.I.) on it. Researchers can test (5) ______ algorithms for A.I. Algorithms are special sets of rules in a computer program that can solve problems and (6) of information. Mr Musk wrote (7) ______ team decided to make the OpenAI Gym free. He said: "Our goal (8) digital intelligence in the way that is most likely to benefit humanity as a whole, [without the] (9) _____ [money]." The OpenAI Gym follows the idea of giving rewards for learning like giving a dog (10) ______ it learns something new. If an algorithm does (11) _____, it gets a reward. If it fails, it gets no reward. The aim of the gym is to develop an algorithm that can multi-task; to do many things at the same time, (12) _____ one thing.

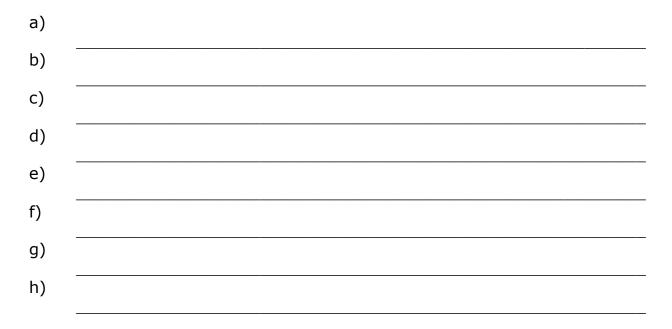
PUT A SLASH (/)WHERE THE SPACES ARE

From http://www.breakingnewsenglish.com/1605/160501-robot-gym-2.html

AgroupheadedbyElonMuskhasopenedakindofgymforrobots, called penAIGym.MrMuskisthebossoftheelectriccarcompanyTeslaMotorsa ndthespacetravelcompany,SpaceX.Healsofoundedtheonlinepayme ntswebsitePayPal.Hislatestprojectisanopenplatformforcodewriterst otesttheirlatestwork.Peoplearefreetotesttheirideasforartificialintelli gence(A.I.)onit.ResearcherscantestandsharetheiralgorithmsforA.I. Algorithmsarespecialsetsofrulesinacomputerprogramthatcansolve problemsanddealwithlotsofinformation.MrMuskwroteaboutwhyhist eamdecidedtomaketheOpenAIGymfree.Hesaid:"Ourgoalistoadvanc edigitalintelligenceinthewaythatismostlikelytobenefithumanityasa whole,[withoutthe]needtogenerate[money]."TheOpenAIGymfollo wstheideaofgivingrewardsforlearning-likegivingadogatreatwhenitl earnssomethingnew.Ifanalgorithmdoeswellinthegym,itgetsarewar d.Ifitfails, itgets no reward. The aim of the gymistode velop analgorithm t hatcanmulti-task;todomanythingsatthesametime,ratherthanj ustonething.

WRITE QUESTIONS & ASK YOUR PARTNER(S)

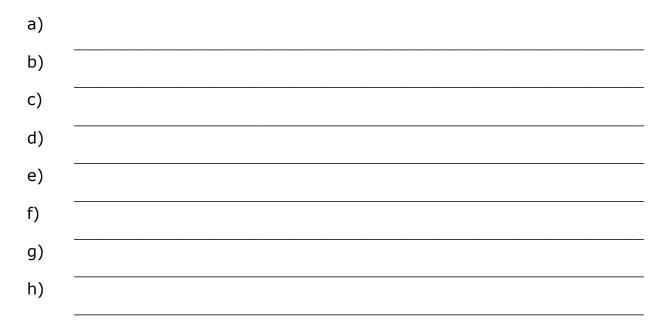
Student A: Do not show these to your speaking partner(s).



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WRITE QUESTIONS & ASK YOUR PARTNER(S)

Student B: Do not show these to your speaking partner(s).



WRITING

From http://www.breakingnewsenglish.com/1605/160501-robot-gym-2.html

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