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LIVEWORKSHEETS



1. How long does it take Mercury to orbit the Sun?

2. In Greek mythology, who is the messenger of Gods?

3. According to the passage, why is Mercury similar to the Moon?

4. What is the highest temperature on Mercury?

5. How many spacecraft have been sent to Mercury?

Exercise 11. Read the passage carefully then answer the questions.

How many planets are there in our galaxy? That's a tricky question to answer. Are there other planets that support life? That's exactly what the Kepler mission hopes to discover.

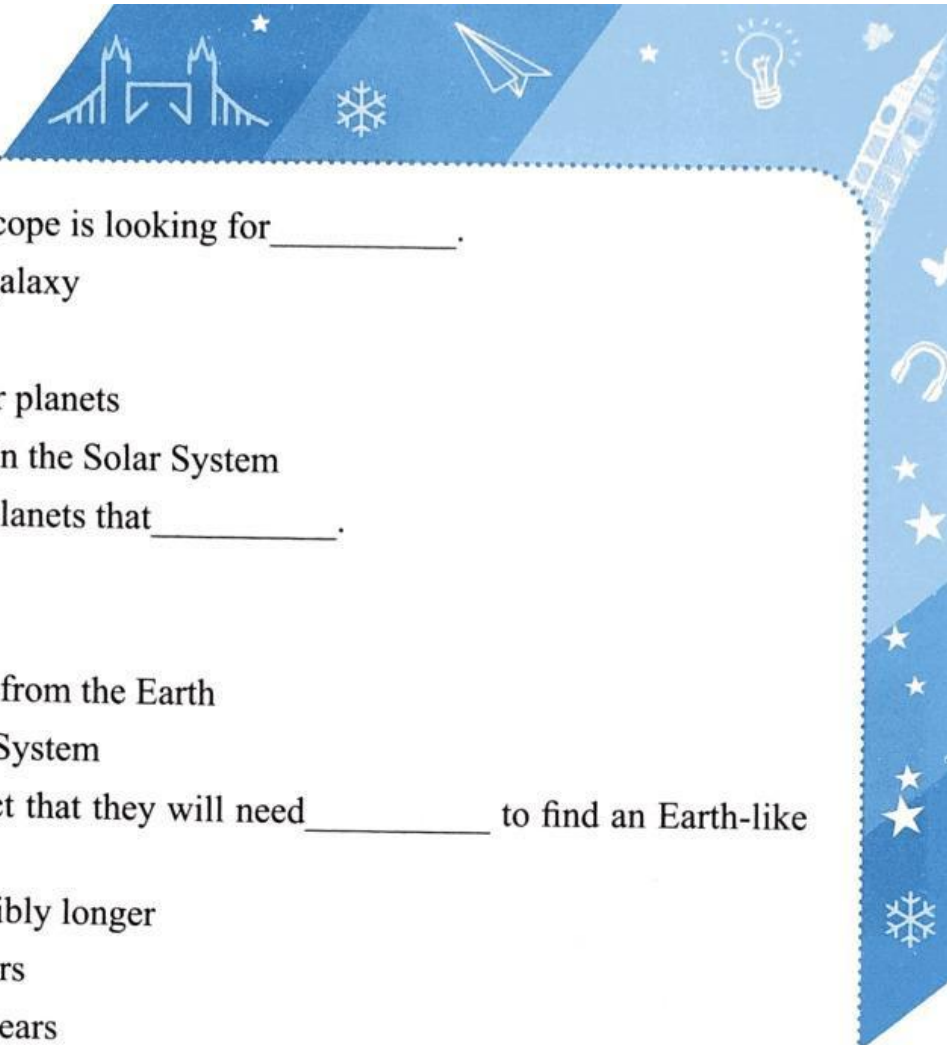
NASA launched the Kepler space telescope, designed to find habitable planets, in 2009. So far it has discovered five new Earth-sized planets beyond our Solar System. These planets are hotter than the Earth - much too hot for life as we know it. The Kepler team predict that they will need at least three years to find an Earth-like planet.

The simplest requirement for a planet to have life is for there to be liquid water so the distance from the planet's sun and therefore temperature is important. There also needs to be the correct amount of air. If a planet is as small as Mars (half the size of Earth) its weak gravity means that it can't hold on to air molecules. If a planet is Neptune-sized (four times bigger than Earth) it has very strong gravity and too much air. So size matters too.

The cost of the mission is approximately six hundred million dollars. It is scheduled to observe until 2013 but this could be extended. Will we be sad if we discover we are alone in our galaxy or happy if we find that we share it with other life forms?

1. What is the passage about?
 - A. Planets in our Solar System
 - B. The difference between Earth and other planets
 - C. Space exploration to find habitable planets
 - D. NASA's missions to explore the outer planets



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2. The Kepler space telescope is looking for _____.
 - A. new planets in our galaxy
 - B. life on other planets
 - C. liquid water on other planets
 - D. Earth-sized planets in the Solar System
 3. Kepler has found five planets that _____.
 - A. has water and air
 - B. are similar to Earth
 - C. are not too far away from the Earth
 - D. are not in our Solar System
 4. The Kepler team predict that they will need _____ to find an Earth-like planet.
 - A. three years and possibly longer
 - B. as much as three years
 - C. no more than three years
 - D. approximately three years
 5. What are the primary factors that make a planet habitable?
 - A. Liquid water and living things
 - B. Size and distance from the Sun
 - C. Hot temperature and weak gravity
 - D. Strong gravity and too much air
 6. How much does the Kepler mission cost?
 - A. Exactly \$600 million
 - B. About \$600 million
 - C. More than \$600 million
 - D. Less than \$600 million
 7. Which of the following statements is NOT true?
 - A. The planet can support life if it has water and air.
 - B. A very small planet will not have enough air.
 - C. Earth is four times as big as Neptune.
 - D. Kepler mission is scheduled to end in 2013.

Exercise 12. Turn the sentences into reported speech. (Yes/ no questions.)

1. "May I ask you a few questions?"

→ The woman asked John _____

2. "Have you done your project about space exploration?"

→ The teacher asked me _____

3. "Will we be able to live on Mars in 2050?"

→ Debbie asked her father _____

4. "Are you having a barbecue tonight?"

→ I asked the Browns _____

5. "Do you like sci-fi films that feature extraterrestrial life?"

→ Jane asked Tom _____

6. "Did scientists find life on Mars many years ago?"

→ Val asked me _____

7. "Are aliens or UFOs real?"

→ Many people wondered _____

8. "Can we go to the National Museum tomorrow?"

→ Sally asked her best friend _____

9. "Do you know NASA has found two new planets?"

→ Duc asked Trang _____

10. "Were you here yesterday?"

→ She wanted to know _____ →

Exercise 13. Turn the sentences into reported speech. (Wh-questions.)

1. "Where will we live in 20 years' time?"

Jane asked me _____

2. "How was your trip to Toronto?"

I asked Peter _____

3. "Why didn't Judy wait for fireballs last night?"

Sue asked _____



4. "How many planets are there in the solar System?"

The teacher asked us _____

5. "How many days does it take to get to Mars from Earth?"

Elliot wanted to know _____

6. "What are you staring at?"

I asked Sally _____

7. "Who discovered the planet Neptune?"

Joe asked his teacher _____

8. "How long have you been living on the International Space Station?"

He asked the astronaut _____

9. "When will humans go to Venus?"

The students wanted to know _____

10. "Where are you going this summer holiday?"

I asked Sally and Andy _____

Exercise 14. Rewrite the sentences without changing the meaning of the original sentences.

1. Reading scientific books is one of my interests.

I'm _____

2. Unless he phones her immediately, he won't get any information.

If _____

3. The garage is going to repair the car for us next week.

We are going to _____

4. The news was so wonderful that she decided to have a celebration.

It was _____

5. It's very difficult to leave here after such a long time.

It isn't _____

6. I always see him working in the garden on Sundays.

He takes _____

7. 18 people came although we had expected only 16.

Two extra _____

8. Jerry's salary as an accountant is two thousand dollars a month.

Jerry makes _____

9. We need a week to think about it.

We need _____

10. The owners of newspapers are usually very rich.

The people _____

Exercise 15. Change the sentence from direct speech to indirect speech.

1. Mr. Smith said to me: "Where are you going on your vacation this year?"

→ Mr. Smith asked me _____

2. She said: "Did the mechanics finish repairing your car?"

→ She asked _____

3. She said: "Why has David been looking so miserable lately?"

→ She wanted to know _____

4. I asked my friend: "Did you have a car accident last month?"

→ I asked my friend _____

5. She asked me: "How old are you now?"

→ She asked me _____

6. He said to her: "Have you been to the town today?"

→ He asked her _____

7. John said: "How long does it take you to get to London, Mary?"

→ John asked Mary _____

8. The policeman asked the little girl: "What's your name?"

→ The policeman asked the little girl _____

9. Mr. Green said to his secretary: "Who did you talk to a few minutes ago?"

→ Mr. Green asked his secretary _____

10. Paul said: "Can you swim, Mary?"

→ Paul asked Mary _____



11. He said: "Where can I find her in this town?"

→ He asked _____

12. She asked her son: "Do you know this story?"

→ She asked her son _____

Exercise 16. Change the sentence from indirect speech to direct speech.

1. He asked where his phone was.

2. He wanted to know what I was doing.

3. My sister asked me if Emily had talked to Jessica.

4. She wanted to know if I was going to bed.

5. He asked me if I had locked the door.

6. She said she could play the guitar when she was seven.

7. He said that he didn't like peanut butter.

8. Lily said that I should go to school early.

9. Becky asked me to help her.

10. The music teacher told us not to play the guitar in that room.
