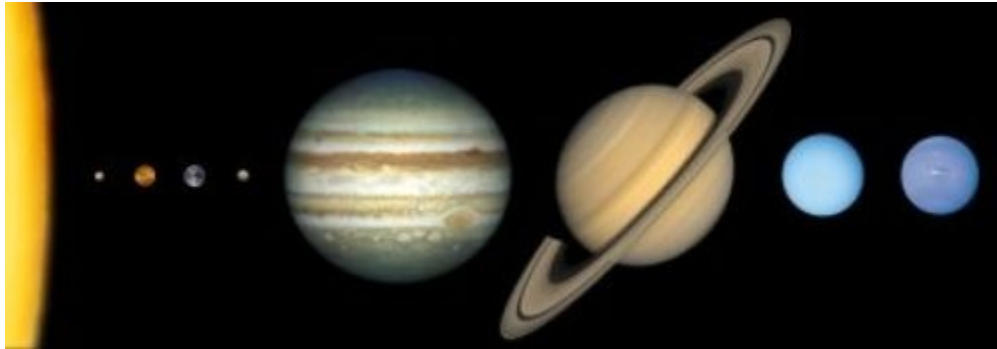


What's Up In Space?



Places in Space

Space is an exciting place! Our solar system is in space. It is made up of the sun and the eight planets that travel around the sun. Our solar system also has moons, stars, and other space objects.

In the Center

The **sun** is at the center of our solar system. The sun is a hot, bright **star**. A star is a ball of hot gas. It gives off heat and light. The sun is the star closest to Earth. That is why it looks different from other stars. Most stars look tiny and can be seen only at night because they are so far away.

Around the Sun

A **planet** is a large ball made of rock or gas. Eight planets make up our solar system. You live on one of them-Earth! The others are Mercury, Venus, Mars, Jupiter, Saturn, Uranus, and Neptune. Each planet moves in a path around the sun. The path is called an **orbit**.

Around Earth

Earth has one **moon**. It travels in an orbit around Earth. The moon is made of rock. It is covered with deep holes called craters. The moon may look as though it gives off light, but it does not. It looks bright when it reflects light from the sun.

Space Facts!

- The sun is so large that it could hold a million Earths.
- Earth is called the Blue Planet because it is covered in so much water.
- Some planets have many moons. Jupiter has the most. It has more than 60 moons.

reflect

re · flect

Advanced Definition

transitive verb

1. to throw back (light, heat, sound, or the like), as from a surface.

The surface of the lake reflected the bright sunlight.

2. of a mirror or mirrorlike surface, to cast back (an image).

The mirror reflected his wrinkled and worn-out face.

The ocean reflected the setting sun.

3. to show forth; make apparent.

His acts reflected his anxious state of mind.

Your research paper reflects hard work and careful thought.

intransitive verb

1. to be returned back as heat or light.
2. to throw back an image.
3. to ponder or think about.

He reflected on the problem.

4. to show forth a particular aspect, as of a person's capability (usu. fol. by on).

The results reflect badly on her.

Spanish cognate

reflejar. The Spanish word *reflejar* means reflect.

These are some examples of how the word or forms of the word are used:

1. Tommy's car doesn't **reflect** the sun at all.
2. Often, an architect's building will **reflect** his or her ideas.
3. Arctic ice and snow **reflect** heat from the sun into space.
4. They are like mirrors that can share the images that they **reflect**.
5. "Yes, they have to be updated to **reflect** any changes," said Uncle Max.
6. Yet, we have to change as new demands **reflect** the needs of society.

Name: _____ Date: _____

1. What is the sun?

- A. a planet
- B. a star
- C. a moon
- D. an asteroid

2. What does the author describe in the passage?

- A. the objects in our solar system
- B. why Earth only has one moon
- C. the different stars in the universe
- D. how the moon got its craters

3. Our sun does not look tiny like other stars because it is the closest star to Earth.

What evidence from the passage supports this conclusion?

- A. "The sun is at the center of our solar system. The sun is a hot, bright star."
- B. "A star is a ball of hot gas. It gives off heat and light."
- C. "The sun is so large that it could hold a million Earths."
- D. "The sun is the star closest to Earth. That is why it looks different from other stars."

4. Read the following sentence: "Earth is called the Blue Planet because it is covered in so much water."

Based on this information, what color does most of Earth look like from space?

- A. white
- B. brown
- C. green
- D. blue

5. What is this passage mostly about?

- A. facts about our solar system
- B. facts about planets
- C. facts about the sun
- D. facts about the moon

6. Read the following sentences: "The moon may look as though it gives off light, but it does not. It looks bright when it reflects light from the sun."

As used in this sentence, what does "**reflects**" most nearly mean?

- A. lets light pass through a surface
- B. makes light go around an object
- C. sends light back from a surface
- D. stops light from going through an object

7. Choose the answer that best completes the sentence below.

Our solar system has many different objects, _____ planets, moons, and asteroids.

- A. such as
- B. but
- C. so
- D. then

8. What is at the center of our solar system?

9. Explain what an orbit is.

10. Name two objects in the solar system that orbit something else. Do they orbit the same thing or different things?

Name: _____ Date: _____

1. What is a meaning of the word **reflect**?

- A. given, awarded
- B. to be present
- C. to be mirrored

2. What is another meaning of the word **reflect**?

- A. obtain by purchase
- B. to think seriously
- C. win a victory over

Please use each answer choice only once. Choose the one word that best completes the sentence.

3. All materials reflect some of the light that hits them, and that _____ light goes into your eyes.

- A. reflects
- B. reflected
- C. reflect
- D. reflectors
- E. reflecting
- F. reflection
- G. reflections

4. I know that shiny things, like foil and mirrors and spoons, _____ light.

- A. reflects
- B. reflected
- C. reflect
- D. reflectors
- E. reflecting
- F. reflection
- G. reflections

5. The peach _____ light from the lamp.

- A. reflects
- B. reflected
- C. reflect
- D. reflectors
- E. reflecting
- F. reflection
- G. reflections

6. He was growing, and when he looked at his _____ in the water, he hardly recognized himself.

- A. reflects
- B. reflected
- C. reflect
- D. reflectors
- E. reflecting
- F. reflection
- G. reflections

7. It's strange to think of a hand _____ light.

- A. reflects
- B. reflected
- C. reflect
- D. reflectors
- E. reflecting
- F. reflection
- G. reflections

8. Her _____ were in general satisfactory.

- A. reflects
- B. reflected
- C. reflect
- D. reflectors
- E. reflecting
- F. reflection
- G. reflections

9. Reflecting telescopes, or _____, use mirrors.

- A. reflects
- B. reflected
- C. reflect
- D. reflectors
- E. reflecting
- F. reflection
- G. reflections

10. Please write your own sentence using the word **reflect**.

11. What would you like to remember about the meaning of the word **reflect** so that you can use it when you write or speak?