



# The Sun-Earth-Moon System

Sci  
G

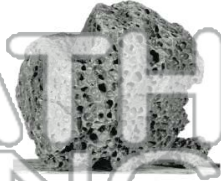
Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 Which of the following is the current and most widely **accepted theory** explaining the **origins** of the **moon**?

- A it formed at the same time as the earth
- B it is a smaller celestial body that was drawn in by earth's gravitational pull
- C a planet-sized object collided with the forming earth and threw out a large chunk of earth
- D the early earth spun so fast that a piece, the moon, flew off of it

2 Studies of the lunar basaltic rock revealed that the moon is about **4.6 billion years old**. Based on this information, how old do scientists estimate the **solar system** is?

- A 9.2 billion years
- B over 5 billion years
- C 4.6 billion years
- D less than 4.6 billion years



3 It is believed that the **moon** is a large **piece of earth** rock that was **broken off** early in earth's history. Why do scientists come to this conclusion?

- A because moon rock \_\_\_\_\_

4 **High tides** are caused by \_\_\_\_\_.

- A the gravitational pull of the sun on the oceans



## PREVIEW

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

7  
A Yuri Gagarin  
B John Glenn  
C Neil Armstrong  
D Buzz Aldrin



and brought them back **safely to earth** was \_\_\_\_\_.

- A Friendship 7
- B Apollo 11
- C Apollo 13
- D Gemini



9 In 1970, the Apollo 13 lunar landing mission was forced to abandon its plans to **land on the moon** due to an oxygen tank explosion. With the space capsule **severely damaged**, the crew did not have enough resources to bring the spaceship back to earth on its own. They had to use the force of the **exploding oxygen tank** to push them back to earth.  
**True or false?**

- A true
- B false



10 In September 2005, NASA unveiled a \$100 billion plan to put **humans on the moon** by 2018. **What is the purpose of NASA's new vision for putting people back on the moon?**

- A to regularly send crews to the moon for a week at a time
- B to use lunar resources like water and minerals to sustain life on the moon
- C to establish a platform for further space exploration
- D all of the above





# The Sun-Earth-Moon System

Sci  
G

Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 Which of the following is the current and most widely **accepted theory** explaining the **origins** of the **moon**?

- A it formed at the same time as the earth
- B it is a smaller celestial body that was drawn in by earth's gravitational pull
- C a planet-sized object collided with the forming earth and threw out a large chunk of earth
- D the early earth spun so fast that a piece, the moon, flew off of it

2 Studies of the lunar basaltic rock revealed that the moon is about **4.6 billion years old**. Based on this information, how old do scientists estimate the **solar system** is?

- A 9.2 billion years
- B over 5 billion years
- C 4.6 billion years
- D less than 4.6 billion years



3 It is believed that the **moon** is a large **piece of earth** rock that was **broken off** early in earth's history. Why do scientists come to this conclusion?

- A because moon rock \_\_\_\_\_

4 **High tides** are caused by \_\_\_\_\_.

- A the gravitational pull of the sun on the oceans



## PREVIEW

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

7  
A Yuri Gagarin  
B John Glenn  
C Neil Armstrong  
D Buzz Aldrin



and brought them back **safely to earth** was \_\_\_\_\_.

- A Friendship 7
- B Apollo 11
- C Apollo 13
- D Gemini



9 In 1970, the Apollo 13 lunar landing mission was forced to abandon its plans to **land on the moon** due to an oxygen tank explosion. With the space capsule **severely damaged**, the crew did not have enough resources to bring the spaceship back to earth on its own. They had to use the force of the **exploding oxygen tank** to push them back to earth.  
**True or false?**

- A true
- B false



10 In September 2005, NASA unveiled a \$100 billion plan to **put humans on the moon by 2018**. **What is the purpose of NASA's new vision for putting people back on the moon?**

- A to regularly send crews to the moon for a week at a time
- B to use lunar resources like water and minerals to sustain life on the moon
- C to establish a platform for further space exploration
- D all of the above

