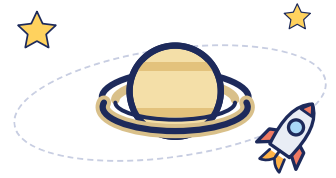


Space Quiz



Planet Trackers

Grades 4–5 · ages 9–11

SCORE

____ / 20

Name _____ Class _____ Date _____

13 questions · 20 points · about 25 minutes



Label the solar system

8 POINTS

Write the name of each planet in order from the Sun. Use the word bank.

WORD BANK

Mars

Earth

Neptune

Venus

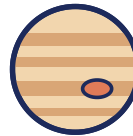
Saturn

Mercury

Uranus

Jupiter

① Label the eight planets, starting closest to the Sun.



a _____ b _____ c _____ d _____ e _____ f _____ g _____ h _____

Planet sizes are drawn to show bigger and smaller, not to exact scale.



Multiple choice

6 POINTS

Fill in the circle next to the best answer.

② Why does the Sun look so much brighter than every other star?

(A) It is the closest star to Earth

(B) It is the biggest star in space

(C) It is the hottest star in space

(D) It is the only star that makes light

③ When is your shadow shortest on a sunny day?

(A) Just after sunrise

(B) Around midday

(C) Late in the afternoon

(D) Just before sunset

④ Which two planets are gas giants?

(A) Mercury and Venus

(B) Earth and Mars

(C) Jupiter and Saturn

(D) Venus and Mars

⑤ What causes the seasons on Earth?

Ⓐ Earth's distance from the Sun changes

Ⓑ The Moon blocks sunlight

Ⓒ The Sun gets hotter and cooler

Ⓓ Earth's axis is tilted

⑥ The main asteroid belt lies between the orbits of which two planets?

Ⓐ Mars and Jupiter

Ⓑ Earth and Mars

Ⓒ Jupiter and Saturn

Ⓓ Venus and Earth

⑦ What does a light-year measure?

Ⓐ Time

Ⓑ Speed

Ⓒ Distance

Ⓓ Brightness



True or false

Circle TRUE or FALSE.

3 POINTS

⑧ Gravity pulls objects toward the center of Earth.

True

False

⑨ A year on Earth is the time it takes Earth to go once around the Sun.

True

False

⑩ The phases of the Moon are caused by Earth's shadow falling on the Moon.

True

False



Fill in the blank

Choose a word from the word bank to complete each sentence. Each word is used once, and two words are not used.

3 POINTS

WORD BANK

dwarf

gas

inner

revolves

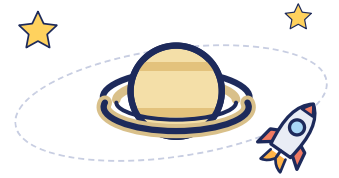
spins

⑪ Mercury, Venus, Earth, and Mars are the _____ planets, closest to the Sun.

⑫ Pluto and Ceres are examples of _____ planets.

⑬ Earth _____ around the Sun once every year.

Answer Key



Planet Trackers

Grades 4–5 · ages 9–11

QUICK CHECK

- | | | | | | |
|---------------|-----|-----|------|----------|----------|
| 1 see diagram | 2 A | 3 B | 4 C | 5 D | 6 A |
| 7 C | 8 T | 9 T | 10 F | 11 inner | 12 dwarf |
| 13 revolves | | | | | |

Part A · Label the solar system

8 POINTS

- 1 Label the eight planets, starting closest to the Sun.
 a **Mercury** · b **Venus** · c **Earth** · d **Mars** · e **Jupiter** · f **Saturn** · g **Uranus** · h **Neptune**

Part B · Multiple choice

6 POINTS

- 2 Why does the Sun look so much brighter than every other star?
A · It is the closest star to Earth
The Sun is our closest star. Other stars are far, far away, so they look like tiny dots.
- 3 When is your shadow shortest on a sunny day?
B · Around midday
At midday the Sun is highest in the sky, so shadows are shortest. A low Sun makes long shadows.
- 4 Which two planets are gas giants?
C · Jupiter and Saturn
Jupiter and Saturn are gas giants, with swirling gases above a core and no hard surface.
- 5 What causes the seasons on Earth?
D · Earth's axis is tilted
Earth's tilted axis changes which part of Earth gets the Sun's most direct rays during the year.
- 6 The main asteroid belt lies between the orbits of which two planets?
A · Mars and Jupiter
Most asteroids orbit the Sun between Mars and Jupiter, in the main asteroid belt.
- 7 What does a light-year measure?
C · Distance
A light-year is the distance light travels in one year, about 9 trillion km (6 trillion miles).

Part C · True or false

3 POINTS

- 8 Gravity pulls objects toward the center of Earth.
True
Gravity is the force that draws objects toward the center of a planet or other body.
- 9 A year on Earth is the time it takes Earth to go once around the Sun.
True
Earth takes about 365 days to orbit the Sun once. That is one year.
- 10 The phases of the Moon are caused by Earth's shadow falling on the Moon.
False
Half the Moon is always lit by the Sun. Phases come from how much of that half we see.

- 11 Mercury, Venus, Earth, and Mars are the inner planets, closest to the Sun.

inner

The first four planets from the Sun are the inner planets, also called terrestrial planets.

- 12 Pluto and Ceres are examples of dwarf planets.

dwarf

Pluto was reclassified as a dwarf planet. Ceres is also a dwarf planet.

- 13 Earth revolves around the Sun once every year.

revolves

Earth orbits (revolves around) the Sun in 365.25 days. Spinning on its axis is rotation.