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# Grade 7: Alef Lesson 2: Check my understanding 1



2. Understanding the History of Space Exploration

## QUESTION 1



*Fill in the blank with the correct answer to complete the sentence.*

Word Bank		
KhalifaSat	Sputnik I	Explorer I

Explorer I  was the first American Earth-orbiting satellite.

Which of the following is the **best** definition for an artificial satellite?



a vehicle designed to propel itself by ejecting exhaust gas from one end

an uncrewed spacecraft sent from Earth to explore objects in space

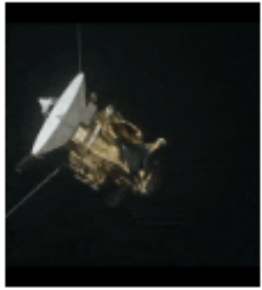
any man-made small object that orbits a larger object



any small object that orbits a larger object

### QUESTION 3

Which of the following is the **best** definition of a satellite?



any small object that orbits a larger object ✓

a vehicle designed to propel itself by ejecting exhaust gas from one end

an uncrewed probe sent from Earth to explore other objects in space

a man-made small object that orbits a larger object

## QUESTION 4

Select your answer from the drop-down menu.



A(n)  is an object that does not carry people and is sent from Earth to explore objects in space.

## QUESTION 5

Which of the following is the name of the satellite that was made in the United Arab Emirates?



Sputnik

Explorer

Voyager

KhalifaSat

## QUESTION 0

Which of the following are uses for the artificial satellites orbiting the Earth?



blocking harmful rays from the Sun

broadcasting television ✓

mining

generating power

producing artificial limbs

providing GPS signals



## QUESTION 7

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Select your answer from the drop-down menu.

Any man-made small object that orbits a larger object is a(n)  .

## QUESTION 8

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Select your answer from the drop-down menu.

Any small object that orbits a larger object is a(n)  .

## QUESTION 9

Drag and drop the term to correctly complete the sentence.

A rocket is able to  itself by ejecting exhaust gas from one end.

↕ stop

↕ pull

↕ decelerate

## QUESTION 10

*Fill in the blank with the correct answer to complete the sentence.*

Word Bank		
equalize	match	overcome

Before anything can enter space, it must first  gravity.

## QUESTION 11

Select your answer from the drop-down menu.

Jet engines   absorb oxygen from the air to burn their fuels.

## QUESTION 12

Select your answer from the drop-down menu.

Mariner 2   was the first planetary probe.

### QUESTION 13

Select your answer from the drop-down menu.

Explorer I was the first artificial satellite ✓ ▼ made in the United States.

### QUESTION 14

Which of the following was the **first** space exploration?

KhalifaSat

Explorer I

Robert Goddard rocket ✓

Sputnik I

## QUESTION 15

Fill in the blank with the correct answer to complete the sentence.

Word Bank

artificial satellites

lunar probes

space shuttles

The transmission of TV and radio signals is one of the uses for  .

## QUESTION 16

In what way is a rocket different from a jet engines?

- Rockets have oxygen tanks, and jet engines absorb oxygen from the air. ✓
- Rockets transport people and materials, and jet engines do not.
- Rockets orbit larger objects, and jet engines orbit smaller objects.
- Rockets are designed to return to Earth, and jet engines are designed to leave the solar system.

## QUESTION 17

Which of the following is true of early space exploration?

The very first rocket traveled all the way to Venus.

In 1958, the first rocket orbited Earth 58,000 times.

Sputnik I was the very first rocket to fly into space.

The first rocket flew in space for 2.5 seconds.



## QUESTION 18

Why are rockets able to operate in space?



They do not burn fuels.

They do not need oxygen in order to operate.

They absorb oxygen from the air to burn fuels.

They have oxygen tanks to store oxygen.

## QUESTION 19

Select your answer from the drop-down menu.



The moon is considered a(n)  .

## QUESTION 20

Which of the following makes the moon a satellite?



It orbits Earth.



It is smaller than the Sun.

It is bigger than most stars.

It is stationary in space.

## QUESTION 21

Drag and drop the term to correctly complete the sentence.



The moon is smaller than the Earth. It also orbits the Earth. Thus, the moon is a natural  of Earth.

⊕ flyby

⊕ shuttle

⊕ probe

## QUESTION 22

Select your answer from the drop-down menu.



Artificial satellites are human-made. They are launched into space by rockets to transmit  from space to Earth.

## QUESTION 23

Drag and drop the phrase to correctly complete the sentence.



Artificial satellites can be used to help boats with navigation.

assist astronauts in space

dump cleaner air into Earth's atmosphere

serve as refueling stations for space shuttles

## QUESTION 24

Why did scientists design the rocket?



to collect data samples from space

to launch unmanned missions to space

to transmit radio signals from space to Earth

to overcome gravity to enter space

## QUESTION 25

Select your answer from the drop-down menu.



Earth's  pulls everything down toward the Earth's surface.



Which of the following is the definition for a rocket?



anything related to the Moon

any small object that orbits a larger object

a reusable spacecraft that transports people and materials to and from space

a vehicle designed to propel itself by ejecting exhaust gas from one end ✓

## QUESTION 27

Drag and drop the term to correctly complete the sentence.

Exhaust gases  from burned fuel are forced out from the bottom of the rocket pushing down on the ground.

✚ Rocks

✚ Shuttles

✚ Oil