Answer Key

Goal #1: Phases of the moon

1. Phases
2. About 29 days
3. HALF
4. TO GROW (THE RIGHT SIDE IS LIT)
5. TO SHRINK (THE LEFT SIDE OF THE MOON IS LIT)

|  |  |
| --- | --- |
| NEW MOON | FULL MOON |
| WAXING CRESCENT | WANING GIBBOUS |
| FIRST QUARTER | LAST OR 3RD QUARTER |
| WAXING GIBBOUS | WANING CRESCENT |

gOAL #2: tIDES

1. MOON
2. IT IS CLOSER TO THE EARTH
3. 4
4. 4, 2
5. 1,3
6. 1, 3
7. 2, 4
8. ABOUT 6 HOURS
9. ARE
10. STRONGER
11. HIGHER, LOWER
12. SPRING TIDES
13. TWICE IN A MOON PHASE CYCLE
14. FULL AND NEW MOON
15. B
16. E
17. C
18. A
19. D

Characteristics for life #3

* RIGHT TYPE OF GRAVITY
* DISTANCE FROM THE SUN
* TEMPERATURE FOR LIFE
* ATMPOSPHERE THAT TRAPS HEAT
* CARBON DIOXIDE, OXYGEN, NITROGEN AND OTHER GASES
* WATER
* SOLID SURFACE
* SUNLIGHT…

YES THIS PLANET COULD SUPPORT LIFE IF IT ALSO HAD SUNLIGHT, THE RIGHT AMOUNT OF GRAVITY, AND WATER.

#4 Beginning of Earth

2. GRAVITY PULLED EARTH INTO A SPHERE SHAPE

6. Earth’s temperature cooled and the continents formed

4. Second atmosphere formed with water vapor, carbon dioxide, and other gases

5. Oceans formed as water condensed into liquid

1. 4.6 billion years ago, Earth was formed

7. 3.5 billion years ago, life on Earth began

3. A large object collided with Earth and the moon was formed

#5 layers of the Earth

1. Pressure and temperature increase from the crust to the core.
2. B

C  
F

E

A

D

Crust

Mantle

Outer core

Inner core