

Light and Shadow
The Earth and the Moon

I. Circle the correct answer.

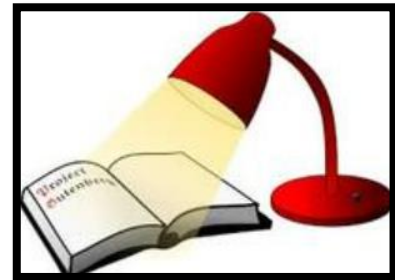
1. Dark form created when certain objects block the light.

- a) Shadow
- b) Opaque
- c) Transparent



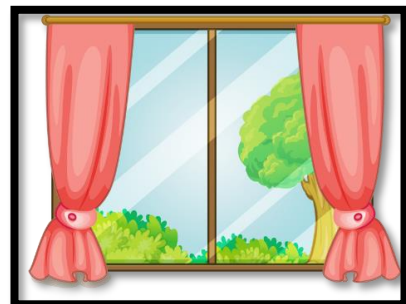
2. We can see things around us because of light reflecting off the object and into our eyes.

- a) True
- b) False



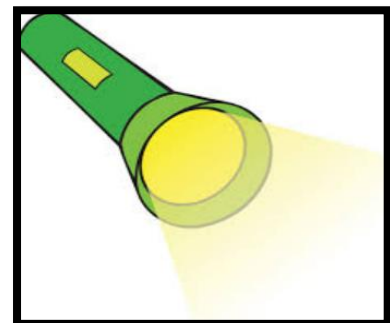
3. An object that allows light to pass through it.

- a) Transparent
- b) Opaque
- c) Translucent



4. Light travels in _____.

- a) Waves
- b) Circles
- c) A straight line



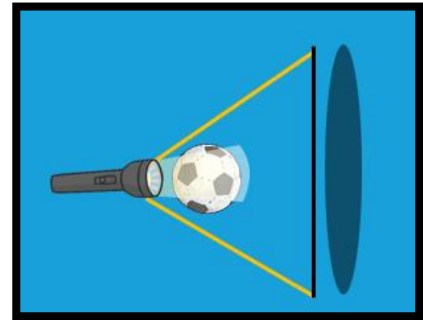
5. Colored glass is an example of a _____ object.

- a) Transparent
- b) Opaque
- c) Translucent



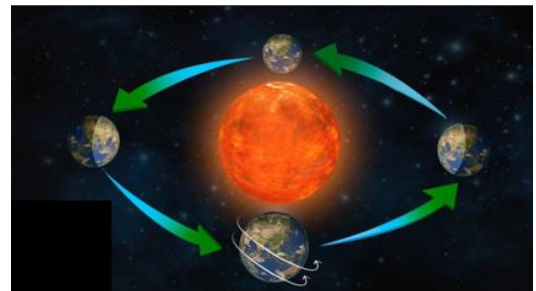
6. When an object is placed _____ the light source, the shadow formed on the screen is _____ the object.

- a) closer to, smaller than
- b) closer to, bigger than
- c) far from, the same size as
- d) far from, bigger than



7. About how long does it take the Earth to complete one orbit of the Sun?

- a) One month
- b) One Day
- c) One week
- d) One year



8. What is the darkest phase of the moon?

- a) Half Moon
- b) Crescent Moon
- c) Full Moon
- d) New Moon



9. The moon is a natural _____ of Earth.

- a) Comet
- b) Axis
- c) Satellite
- d) Space probe

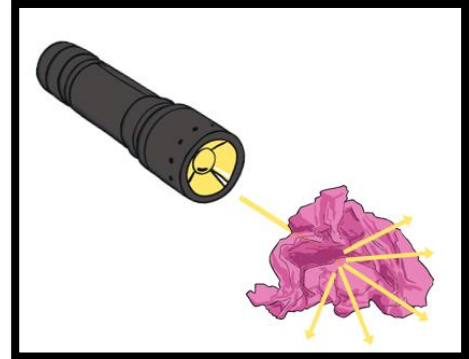


10. What are big holes on the Moon called?

- a) Craters
- b) Pools
- c) Lak

11. Translucent objects let only some light pass through.

- a) True
- b) False



II. Translucent materials scatter light so that we can't see things clearly through them. Most of the hospital windows are translucent. It lets some light in but we cannot see clearly through the glass.

12. Why have the doctors put translucent glass in their window?



13. Some people put translucent glass in their front door. Why do they do this?



14. This light on the ceiling is covered with a translucent shade. Why do people like to have these translucent shades on bright light bulbs?



III. Fill in the missing words.

Earth	light	See	Sun
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15. The Moon is not a source of _____ but reflects light from the _____.
16. The part of the Moon we _____ depends on where it is when orbiting the _____.

IV. Are these sentences true or false?

17. The Earth orbits around the Sun. _____
18. The Sun is larger than the Earth. _____
19. The Sun is a planet. _____
20. The Earth is a satellite of the Moon. _____
21. The Earth goes around the Moon. _____

V. Draw a line to match each movement to the time it takes.

The Earth rotating once on its axis.
The Moon orbiting the Earth once.
The Earth orbiting the Sun once.

365 days
29 days
24 hours

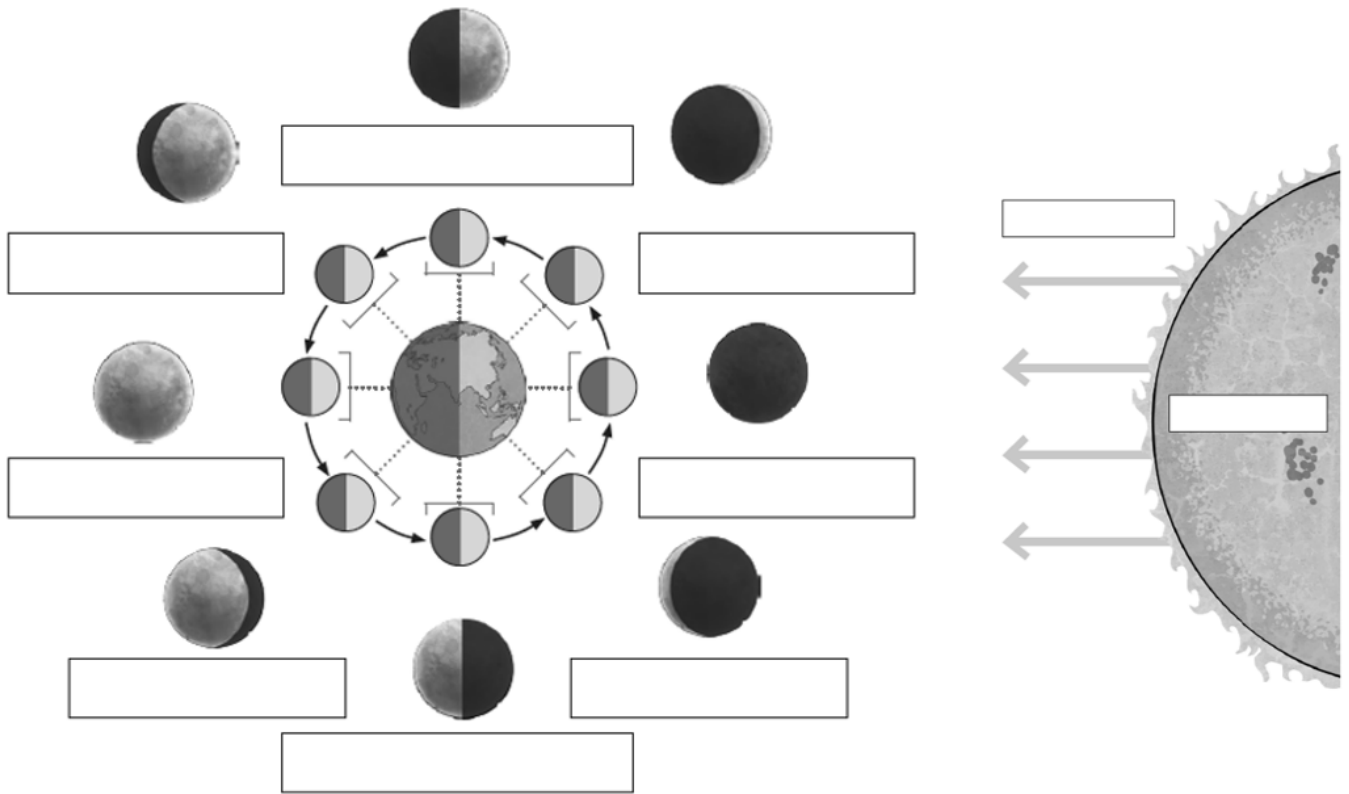
VI. Answer the following questions.

22. Does light only travel in a straight line or can it bend?

23. Why is the sun so important to life on earth?

24. What happens to a shadow when you move the object towards the light source?

1. Use the keywords from the box at the bottom of the page to label each of the phases of the Moon.



Waning crescent	Full moon	Sun	New moon	Last quarter
Sunlight	Waxing crescent	Waning gibbous	First quarter	Waxing gibbous

Term: II
Session 2023 – 2024



Name:.....
Date:.....