

Section 1: How Light Moves

Name _____ Grade _____

Instructions:

Read each question carefully and select the correct answer from the options provided.



1. Which of the following best describes how light travels?

- a) In a curved line
- b) In a straight line
- c) In a zig-zag pattern
- d) It stays in one place



2. What is a single line of light called?

- a) A wave
- b) A beam
- c) A ray
- d) A spark

3. What happens when light hits an object it cannot pass through?

- a) It disappears
- b) A shadow is formed
- c) The light turns into heat
- d) The object becomes invisible



4. Light travels faster than anything else in the universe. About how fast does it travel?

- a) 100 miles per hour
- b) 1,000 miles per hour
- c) 300,000 kilometers per second
- d) The speed of sound

Section 2: Materials and Light

Name _____ Grade _____

Instructions:

Read each question carefully and select the correct answer from the options provided.



5. If a material allows all light to pass through clearly, it is:

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



6. A piece of frosted glass that lets some light through but blurs the image is:

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

7. Which of these is an example of an opaque object?

- a) A clear window
- b) Plastic wrap
- c) A wooden door
- d) Tissue paper

8. Why can't we see through a brick wall?

- a) Because it reflects all light
- b) Because it is transparent
- c) Because it is opaque and absorbs or reflects light
- d) Because it refracts light



Section 3: Reflection and Refraction

Name _____ Grade _____

Instructions:

Read each question carefully and select the correct answer from the options provided.



9. When light bounces off a surface, it is called:

- a) Refraction
- b) Absorption
- c) Reflection
- d) Radiation



10. Which surface would reflect light the best?

- a) A rusty nail
- b) A smooth, silver mirror
- c) A piece of black charcoal
- d) A rough sidewalk



11. What happens to light when it moves from air into water?

- a) It speeds up
- b) It bends (refracts)
- c) It stops completely
- d) It changes color



12. A pencil in a glass of water looks "broken" because of:

- a) Reflection
- b) Refraction
- c) Shadows
- d) Magnetism



Section 4: Colors and Lenses

Name _____ Grade _____

Instructions:

Read each question carefully and select the correct answer from the options provided.



13. White light is actually made up of:

- a) Only blue light
- b) No colors at all
- c) All the colors of the rainbow
- d) Only yellow light



14. What tool can be used to separate white light into a rainbow?

- a) A mirror
- b) A prism
- c) A magnifying glass
- d) A flashlight

15. A lens that curves outward and makes objects look larger is a:

- a) Concave lens
- b) Convex lens
- c) Flat lens
- d) Opaque lens

16. Which color is reflected by a red apple?

- a) Blue
- b) Green
- c) Red
- d) All colors



Section 5: Sources and Shadows

Name _____ Grade _____

Instructions:

Read each question carefully and select the correct answer from the options provided.



17. Which of these is a natural source of light?

- a) A campfire
- b) A lightbulb
- c) The sun
- d) A neon sign



18. If you move an object closer to a light source, the shadow will:

- a) Get smaller
- b) Get larger
- c) Stay the same
- d) Disappear

19. Why does the moon shine at night?

- a) It creates its own light
- b) It is made of fire
- c) It reflects light from the sun
- d) It is a giant lightbulb



20. Shadows are longest during which part of the day?

- a) Noon
- b) Early morning and late afternoon
- c) Late at night
- d) They are always the same length

Skeleton and Muscles Worksheet

Answers

1. B
2. C
3. B
4. C
5. C
6. B
7. C
8. C
9. C
10. B
11. B
12. B
13. C
14. B
15. B
16. C
17. C
18. B
19. C
20. B

