



Waves: Light and Sound

Name: _____

Date: _____

Grade: Grade 4

Part A: Multiple Choice

Circle the best answer for each question.

1. In Grade 4 science, what happens when white light passes through a glass prism?

- A) It splits into a band of colors
- B) It disappears completely
- C) It turns into sound
- D) It becomes black

2. Grade 4: the bending of light as it enters a new material is called what?

- A) Echo
- B) Refraction
- C) Vibration
- D) Pitch

3. In Grade 4 lessons, a rainbow forms when sunlight hits which type of object in the air?

- A) Snowflakes only
- B) Smoke particles
- C) Tiny raindrops
- D) Dust on the ground

4. Grade 4 question: the full band of colors made from white light is called what?

- A) Spectrum
- B) Echo
- C) Volume
- D) Transmission

Part B: Fill in the Blank

Write the correct answer on each line.

1. In Grade 4 science, a clear glass shape that splits white light into colors is called a _____.
2. The bending of light when it enters water is called _____ in Grade 4 lessons.
3. Grade 4: the band of colors red, orange, yellow, green, blue, and violet is called the _____.
4. A rainbow appears when sunlight passes through tiny _____ in the sky in Grade 4 science.
5. Light, color, and lenses are studied in the part of science called _____ in Grade 4 class.

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1. In Grade 4 science, what happens when white light passes through a glass prism?

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Part B: Fill in the Blank

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1. In Grade 4 science, a clear glass shape that splits white light into colors is called a prism .
2. The bending of light when it enters water is called refraction in Grade 4 lessons.
3. Grade 4: the band of colors red, orange, yellow, green, blue, and violet is called the spectrum .
4. A rainbow appears when sunlight passes through tiny raindrops in the sky in Grade 4 science.
5. Light, color, and lenses are studied in the part of science called optical in Grade 4 class.