Compare and contrast mechanical waves and electromagnetic waves.

MECHANICAL

- Requires a medium to travel
- cannot travel in space
- transfer energy

ELECTROMAGNETIC:

- No medium to travel.
- can travel in space
- transfer energy
- 2. Define the following:

REFERACTION

- a. Reflection waves bouncing off an object
- b. Refraction waves bending as they move from 1 medium to another
- c. Diffraction waves bending through an opening
- Identify the following images as Reflection, Refraction, or Diffraction.



4. If the light ray in the image hits a mirror at 40°, at what angle will the ray be reflected? Why?

REFLECTION.

DIFFRACTION

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