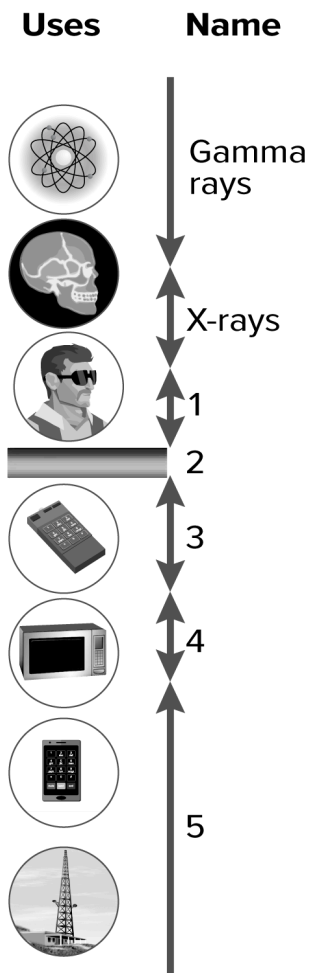


Ch 10 Lesson 1 Review

1) **Determine:** Which number in the image above indicates the part of the electromagnetic spectrum used by a refracting telescope?



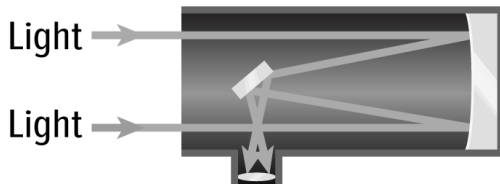
- A) 5
- B) 3
- C) 2
- D) 4

2) **Explain:** It can take millions or billions of years for some light waves to reach Earth because

- A) of the large distances in space.
- B) they are reflected from the Sun.
- C) of their long wavelengths.
- D) electromagnetic waves travel slowly.

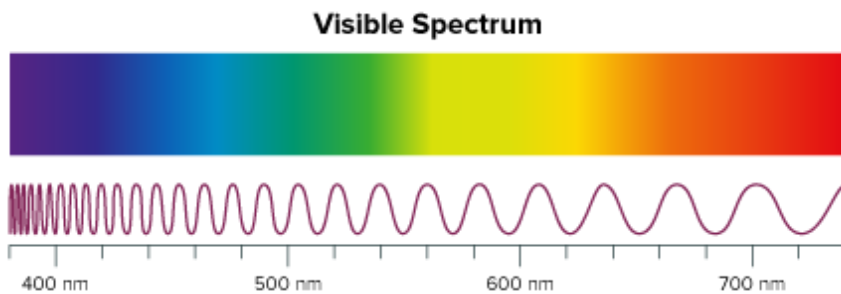
Ch 10 Lesson 1 Review

3) **Identify:** What technology is shown in the image?



- A) a lunar probe
- B) a reflecting telescope
- C) a refracting telescope
- D) an orbiter

4) Refer to the image to answer the question.



A telescope is able to use wavelengths of about 500 nm to create an image. Which is also likely true about this telescope?

- A) It has lenses or mirrors.
 - B) It creates a thermal image.
 - C) It collects rays that cannot be seen by the human eye.
 - D) It collects waves using an antenna.
- 5) Visible objects in the night sky include stars, the Moon, and planets. Which is correct about why these objects are visible?
- A) All of these objects produce their own energy in the form of light.
 - B) Planets and the moon are only visible because they reflect light.
 - C) The Moon produces more energy than stars, therefore it is the brightest object in the sky.
 - D) Stars and planets produce their own energy, but the Moon reflects light.