

## Telescopes Practice Worksheet

Name

1. Sir Isaac Newton created the first \_\_\_\_\_.
  - a. Refracting telescopes
  - b. Reflecting telescopes
  - c. Space telescopes
  - d. None of the above
  
2. The first reflecting telescope was created in 1700.
  - a. TRUE
  - b. FALSE
  
3. The distance between two adjacent oscillations is called a \_\_\_\_\_.
  - a. Wavelength
  - b. Crest
  - c. Trough
  - d. None of the above
  
4. Which type of telescope was the first to be developed?
  - a. reflecting
  - b. refracting
  
5. The Hubble Space Telescope orbits the Earth at the altitude of \_\_\_\_\_.
  - a. 589 km
  - b. 489 km
  - c. 389 km
  - d. 687 km
  
6. What is the value of radio telescope technology?
  - a. Radio telescopes are the best telescopes to be put into space so that they can observe objects without the interference of the atmosphere
  - b. Radio waves from civilizations outside our solar system have been detected by radio telescopes
  - c. Radio telescopes can be linked together with a computer so they can gather data on the same object
  - d. Radio telescopes are relatively small so they can be put just about anywhere

7. In the electromagnetic spectrum

- a. Radio waves have longer wavelengths than visible light
- b. The shortest wavelengths have the highest energy
- c. Visible light makes up a very small portion
- d. All of the above

8. The mirrors of a refracting telescope are much lighter than the heavy glass lenses in a reflecting telescope.

- a. TRUE
- b. FALSE

9. A wavelength is

- a. The distance between two adjacent wave troughs or peaks
- b. The number of waves that pass a given point every second
- c. 400 nm
- d. The distance between a wave's trough and its peak

10. Human eyes are only able to see visible light.

- a. TRUE
- b. FALSE

