

Name \_\_\_\_\_

## Through the Cosmic Lens: Exploring Telescopes

### Multiple Choice Questions

1. What is a telescope?
  - a) A device for measuring time
  - b) A scientific instrument that gathers and magnifies distant light
  - c) A tool for measuring temperature
  - d) A machine for recording sound
  
2. Who were some of the early astronomers associated with the development of telescopes?
  - a) Isaac Newton and Albert Einstein
  - b) Galileo Galilei and Johannes Kepler
  - c) Charles Darwin and Louis Pasteur
  - d) Marie Curie and Edwin Hubble
  
3. What is the primary function of the objective lens or primary mirror in a telescope?
  - a) To magnify the image
  - b) To reflect light to the eyepiece
  - c) To gather and focus incoming light
  - d) To adjust the telescope's focal length
  
4. How is magnification calculated in a telescope?
  - a) By dividing the focal length of the eyepiece by the focal length of the objective lens
  - b) By multiplying the focal length of the objective lens by the focal length of the eyepiece
  - c) By adding the focal length of the eyepiece to the focal length of the objective lens
  - d) By subtracting the focal length of the eyepiece from the focal length of the objective lens
  
5. What type of telescope is known for its iconic design with a long, slender tube and is excellent for observing planets and the Moon?
  - a) Reflecting Telescope
  - b) Catadioptric Telescope
  - c) Refracting Telescope
  - d) Radio Telescope

