

Astronomy Unit 2 Homework

Name \_\_\_\_\_ Date \_\_\_\_\_

1. Describe briefly the various types of telescopes used for both visible and invisible wavelengths.
2. Why do astronomers prefer to use electronic detectors or CCDs to photographic equipment?
3. What is the HST and what advantages does this telescope have over ground-based astronomy?
4. Compare and contrast the terrestrial and Jovian planets in terms of similarities and differences?
5. List several spacecraft that have been sent to Venus and Mars and the discoveries that were made.
6. Describe the condensation theory and how the solar system could have formed.
7. What are the main regions of the Earth's interior (use a diagram and label each section in terms of composition and size)? How do we know that the interior looks this way?
8. Define:
  - a. plate tectonics
  - b. lithosphere
  - c. asthenosphere
  - d. rock cycle
  - e. radioactivity
9. Compare and contrast the surfaces of the Moon and Mercury.
10. Outline a possible origin of the Moon.