

Astronomy – Chapter 5 Review Questions

1. What are the two main types of optical telescope?
What distinguishes each of them?
Draw a sketch of each type.
2. What are the four factors that make one type of telescope better than the other type?
3. What is a **photometer**, and what is it used for?
4. What is a **spectrometer**, and what is it used for?
5. Give two reasons why astronomers prefer large telescopes.
6. Why is a 2-meter telescope 4x better than a 1-meter telescope?
7. What is **resolving power**? Why is it important to astronomers? How does telescope size effect it?
8. What is **Atmospheric blurring**? Why is it a problem for astronomers?
9. What is a **CCD**? What are its advantages over traditional photographs?
10. What are **adaptive optics** and why do astronomers use them?