

Name: _____

Period: _____

Date: _____

Section 1: Telescopes Review
Astronomy

Nerd Words:

1. Photon –
2. Light-Gathering Power –
3. Refractors –
4. Refraction –
5. Chromatic Aberration –
6. Reflectors –

Review:

1. What is the purpose of a telescope?
2. What does the word *telescope* literally translate to?
3. What are three major flaws to human eye sight?
4. What specific energy substance do we rely off of to see?
5. Can we see in the dark? Explain.
6. What two specific things do telescopes do to help us see?
7. What are the particles of light that get emitted?
8. Where do these particles of light strike in the eye?
9. Most telescopes do what with photons in order to help us see?
10. Where in the eye is the retina?
11. Explain light-gathering power.

12. What is the purpose of light-gathering power?
13. What happens as we increase the lens or mirror in telescopes?
14. What is the difference between refractors and the process of refraction? How are they similar?
15. Give an example of where we see refraction.
16. What are three major flaws with using lenses in telescopes?
17. Explain chromatic aberration.
18. How are reflectors different than refractors? How are they similar?
19. What are three advantages to using mirrors over lenses?
20. What is the minimum number of mirrors needed in a scope?
21. How are the mirrors mounted and why are they set up that way?
22. What is the purpose of lasers in reflectors?