Chapter 3
Telescopes

1. **Gather** lots of light (allowing astronomers to see faint objects)
2. **Create images**
3. **Magnify** those images (allowing astronomers to see things that appear very small because they are so far away)

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**Figure 3.4B**
Refractor

**Figure 3.5A**
Reflector

**Figure 3.5B**
Reflector

**Figure 3.5C**
Newtonian Reflector

**Figure 3.5D**
Cassegrain Reflector
Figure 3.26

James Webb Space Telescope

- 21 ft diameter
- Sunshield size of tennis court
- Launch 2013
- One million miles from Earth @ L2
Chapter 4
The Solar System