

## Lenses and Mirrors

### Web Hunt

Step 1 - Go to [http://www.ducksters.com/science/sight\\_and\\_the\\_eye.php](http://www.ducksters.com/science/sight_and_the_eye.php)

1. Read the page titled, Sight and the Eye
2. Using information from this page give an explanation as to how our eye sees.

3. Take the quiz at the bottom of the page, record your score here. \_\_\_\_\_

Step 2 – Go to [http://www.ducksters.com/science/physics/lenses\\_and\\_light.php](http://www.ducksters.com/science/physics/lenses_and_light.php)

1. Read the page titled, Lenses and light.
2. Draw the rays entering and leaving a converging lens.

3. Draw the rays entering and leaving a diverging lens.

4. Which type of lens is converging?

5. Which type of lens is diverging?

6. Take the quiz at the bottom of the page, record your score here. \_\_\_\_\_

Step 3 – Go to <http://www.ducksters.com/science/physics/telescopes.php>

1. Read the page titled, telescopes.
2. What are the two types of telescopes? Explain the difference.
3. Explain the important properties of a telescope.
4. Take the quiz at the bottom of the page, record your score here. \_\_\_\_\_

Step 4 – Go to <https://science.howstuffworks.com/innovation/everyday-innovations/mirror2.htm>

1. Read the page titled, How Mirrors Work.
2. Explain the angle of incidence.
3. Explain the angle of reflection.
4. Explain virtual image.
5. At the bottom of the page click next or page 4.
6. Read the page titled, How Mirrors Work.
7. Explain the difference between concave and convex mirrors.
8. Explain how mirrors are important in our everyday life.

Step 5 – Go to USA Test Prep

1. Complete assignment titled, Lenses 1. Record your score here. \_\_\_\_\_
2. Complete Assignment titled, Lenses 2. Record your score here. \_\_\_\_\_
3. Complete Assignment titled, Mirrors 1. Record your score here. \_\_\_\_\_
4. Complete assignment titled, Lenses and Mirrors 1. Record your score here. \_\_\_\_\_