Year 8 Science: How we see: light sources, reflection and refraction

Name: _____ Date: _____

Try these without your notes first, then check the answer key.

Practice

1. Is the Moon a light source? Explain how we see it.

2. A ray hits a mirror with an angle of incidence of 25°. What is the angle of reflection?

3. A ray makes an angle of 70° with a mirror surface. What is the angle of reflection?

4. A ray of light passes from air into a glass block at an angle. Does it bend towards or away from the normal?

5. What evidence did Ibn al-Haytham use against the idea that sight comes from rays leaving the eye?

Fix the mistake

6. Correct this statement: "We see a book because light comes out of our eyes and hits it."

7. Correct this statement: "The angle of incidence is measured between the ray and the mirror."

8. Correct this statement: "Refraction is when light bounces off water."

9. Correct this statement: "A ray going into glass always bends."