

Reflection and Refraction Worksheet

Incidence	Material	Normal	Plane mirror
Ray model of light	Reflected ray	Reflection	Refracted ray
Refraction	Sheet of paper	Transparent	Translucent
Opaque			

Use the terms in the box above to complete the following sentences.

- In the \_\_\_\_\_, light is described as a ray that travels in a straight path.
- When light strikes \_\_\_\_\_ materials, it passes through them.
- When light strikes \_\_\_\_\_ materials, it passes through them, but it is scattered from its straight path.
- \_\_\_\_\_ materials do not allow light to pass through them.
- The angle of reflection is equal to the angle of \_\_\_\_\_.
- Light rays bounce off of a \_\_\_\_\_ with a regular reflecting pattern.
- The angle of \_\_\_\_\_ is the angle of a light ray that comes out of the boundary between two materials.
- The angle of refraction is measured between the \_\_\_\_\_ and the normal.

Match each term on the left with the best descriptor on the right.

1. _____ normal	a. equal to the angle of reflection
2. _____ angle of refraction	b. measured between the refracted ray and the normal
3. _____ angle of reflection	c. angle of reflected ray
4. _____ angle of incidence	d. imaginary line that passes through materials at right angle
5. _____ ?	e. the surface that reflects