

Name: _____ Block: _____

PHYSICS:
Light Vocabulary Part 1

Light Vocabulary. On the line, drag the vocabulary term to the statement that describes it.

Absorbance	Emission	Opaque	Prism	Wave-particle duality
Black	Heat	Photon	Transparent	White light
Electric field	Infrared	Pigments	Translucent	300,000 km/s

- 1 What is the total collection of all wavelengths of visible light?

- 2 What is the total absence of visible light; total absorbance of all frequencies of visible light.

- 3 What is a triangular glass shape that separates the colors of the visible spectrum by refraction?

- 4 In an electromagnetic wave, what is the compact packet of energy that behaves like a particle but has no mass?

- 5 Which class of EMR is the signature light for heat?

- 6 How fast does EMR waves travel through the vacuum of space?

- 7 What is the process where light waves are released by matter?

- 8 What is the assimilation of light waves by matter?

- 9 When matter absorbs light, which type of energy is always created?

10 Any material that light will not pass through the surface—light is either absorbed or reflected at the surface.

11 Any material through which light will pass with no obstruction—images can be seen clearly on the other side.

12 Any material in which light will pass through the surface, but it becomes distorted—images are blurred and cannot be seen clearly on the other side.

13 Photons behave like tiny particles, but are pure energy and have no mass. Electrons behave like pure energy, but have mass.

14 A chemical compound, usually powdered minerals from plant leaves, that has selective absorbance and reflection of colors.

15 An invisible force that is part of light.
