

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.