

Topic: "Waves. Nature of Light"
TRUE / FALSE QUESTIONS

Name:

Classroom:

Classify the following sentences as true (T) or false (F)

#	Sentence	T / F
1	The highest part of a wave is called crest	T
2	If the period of a wave is 0.2 seconds, the frequency of that wave is 5 Hz	T
3	The wavelength of 400 nm corresponds to a red light	F
4	An energetic photon can remove an electron from a metallic surface	T
5	The velocity of a red light is lower than the velocity of a violet light	F
6	The wavelength of an ultraviolet light is smaller (shorter wave) than that of an infrared light	T
7	The velocity of the light depends on the frequency	F
8	The energy of a red photon is bigger than the energy of an infrared photon	T
9	The energy of a photon is inversely proportional to the period of that photon	T
10	A photon of one color can carry more energy than two photons of other color	T