

CLASS SET

Electromagnetic Spectrum CLOZE #1

Directions: 1. Notebook paper and number it 1-10

2. Read passage, and

3. Using Word Bank below, write the terms next to its corresponding number

FREQUENCY	SPEED	LONGEST	TRANSVERSE
INFRARED	RADIO	VISIBLE	
WAVELENGTH	GAMMA	COLORS	

The electromagnetic spectrum is a family of (1) _____ waves.

These waves have a side-to-side motion and they all travel at the same (2) _____ but vary in frequency and in (3) _____.

(4) _____ is the number of waves that pass a point in one second.

Light that we use to see with (5) (_____ light) is a very small part of this spectrum.

The different (6) _____ we see in light are due to differences in wavelength.

The highest frequency waves have the (7) _____ wavelength and are known as (8) _____ waves, which are used in medicine.

The (9) _____, lower frequency waves are used for TV and radio communication.

(10) _____ waves are used in night vision cameras and remote controls.

EMS CLOZE #1 Answer Key

The electromagnetic spectrum is a family of transverse waves. These waves have a side-to-side motion and they all travel at the same speed but vary in frequency and wavelength. Frequency is the number of waves that pass a point in one second. Light that we use to see with (visible light) is a very small part of this spectrum. The different colors we see in light are due to differences in wavelength. The highest frequency waves have the shortest wavelength and are known as gamma waves, which are used in medicine. The longest, lower frequency waves are used for TV and radio communication. Infrared waves are used in night vision cameras and remote controls.