

Physical Principles in Living Systems

Name:

Electromagnetic Spectrum Puzzle

Period:

Find the terms below in Chapter 3, Section 1. Then, put the letters in the matching numbered squares to reveal a quote by Thomas Edison.

1. a type of electromagnetic wave that is used to kill bacteria on food

_____ 1 18 _____ 13 _____ 2 _____

2. a very narrow range of wavelengths in the electromagnetic spectrum that humans can see

_____ 21 _____ 20 19 _____

3. a type of electromagnetic wave that warms Earth

_____ 12 _____ 3 _____ 5 _____

4. the distance from any point on a wave to an identical point on the next wave

_____ 16 _____ 22 8 _____

5. the range of colors

_____ 6 _____ 14 _____

6. the entire range of electromagnetic waves, such as light, radio waves, microwaves, and X rays

_____ 10 23 _____

_____ 7 _____ 4 _____

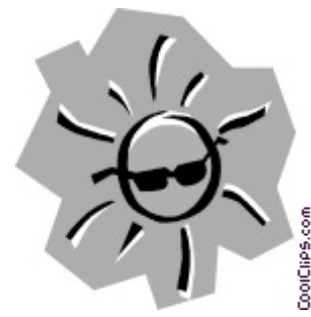
7. the visible light of all wavelengths combined

_____ 9 _____

8. a wave that consists of changing electric and magnetic fields that vibrate at right angles to each other

11 _____ 13 _____ 17 _____

_____ 15 _____



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What Thomas Edison said:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	

				Y					
15	16	17	18	19	20	21	22	23	