1) What can electromagnetic waves travel through that mechanical waves can not travel through?

Correct answer: **Vacuum**

**X** Your answer: **Air**

2) Electromagnetic waves are classified using what measurement?

Correct answer: **Frequency**

**X** Your answer: **Amplitude**

3) What type of electromagnetic waves cause sunburns?

Correct answer: **Ultraviolet**

**✔** Your answer: **Ultraviolet**

4) What type of electromagnetic waves are used to cook food, predict the weather, and for communications?

Correct answer: **Microwaves**

**✔** Your answer: **Microwaves**

5) What type of waves are used on a TV remote control?

Correct answer: **Infrared rays**

**X** Your answer: **Radio waves**

6) Which electromagnetic waves have the longest wavelengths?

Correct answer: **Radio waves**

**✔** Your answer: **Radio waves**

7) Which electromagnetic waves enable humans to see?

Correct answer: **Visible light**

**✔** Your answer: **Visible light**

8) What type of electromagnetic waves have the shortest wavelengths?

Correct answer: **Gamma rays**

**✔** Your answer: **Gamma rays**

9) What type of electromagnetic waves are used to take pictures of bones in medicine?

Correct answer: **X-Rays**

**✔** Your answer: **X-Rays**

10) What type of electromagnetic waves have the most energy?

Correct answer: **Gamma rays**

**✔** Your answer: **Gamma rays**

[Science Quiz: Physics: Electromagnetic Waves (ducksters.com)](https://www.ducksters.com/science/quiz/types_of_electromagnetic_waves_questions.php)