

What's Important? Electromagnetic Waves (p.73 - 77)

Title

An electromagnetic wave is a disturbance in a field.

- What is a field?

How EM waves Form

- What are the 2 types of fields that make up an EM wave?

Sources of EM Waves

- What are 2 sources of EM waves on Earth?

Electromagnetic waves can travel in a vacuum.

- What is radiation?
- How is an EM wave different from a mechanical wave?

How EM Waves Travel in a Vacuum

- Do EM waves need a medium?
- Do EM waves lose energy in traveling?

The Speed of EM Waves in a Vacuum

- What is the speed of light?
- How are EM waves used to measure distances in space?

Electromagnetic waves can interact with a material medium.

- What happens to EM waves when a medium changes?

Transferring Energy

- In what form do EM waves transfer energy in a vacuum?

Converting Energy from One Form to Another

- How does microwave cooking depend on reflection?