Frequency:

Period:

Wavelength:

Describe a transverse wave. Give an example.

All waves transfer...

Describe a longitudinal

wave. Give an example. Give the definition of...

What is diffraction?

What are the units of frequency, period, wavelength and speed?

# Wave Parameters & Behaviours

Draw a diagram of a wave and label the;

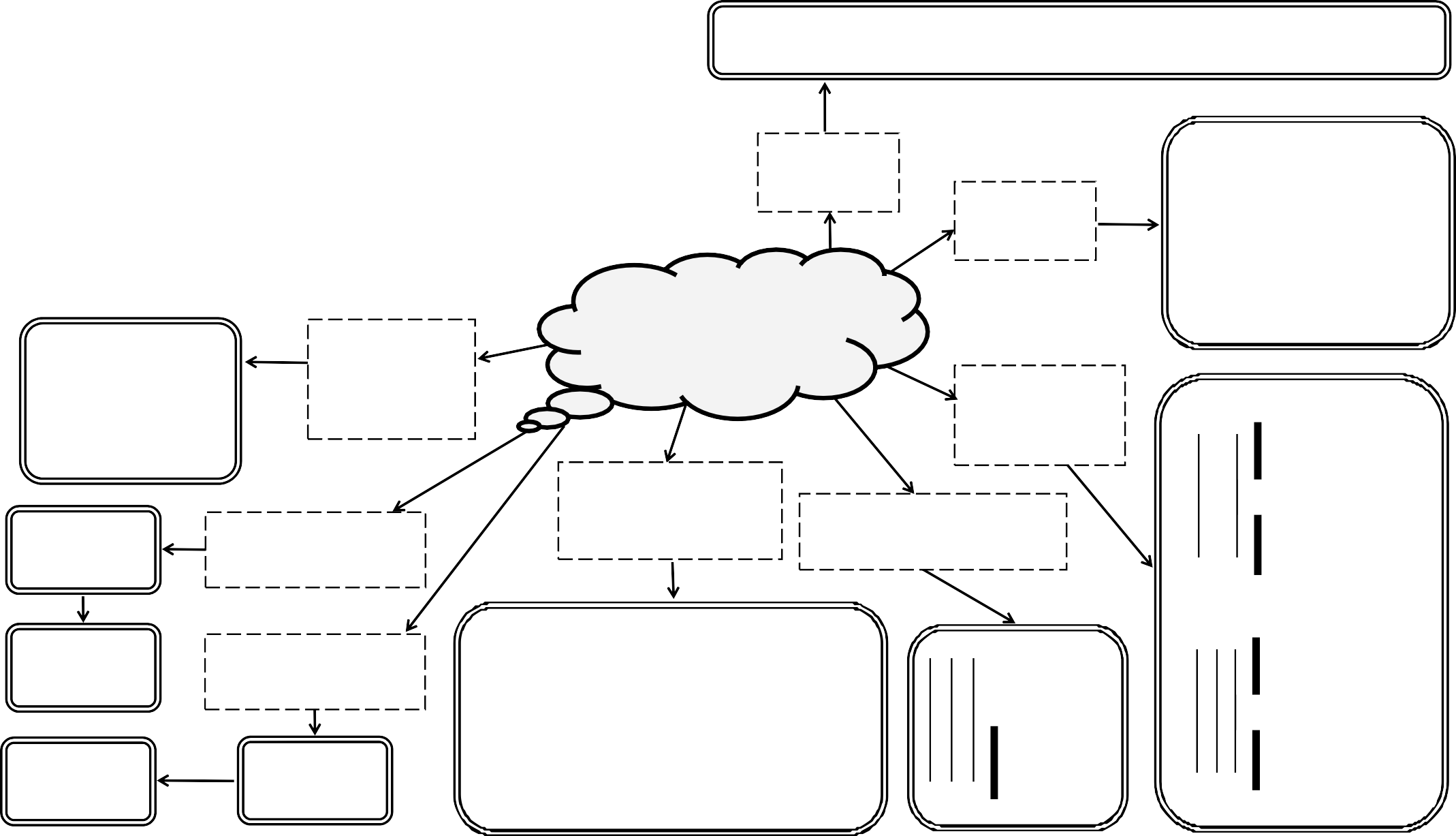
Complete the diagrams showing diffraction through a gap

Complete the diagrams

Relationships to calculate wave speed

crest, trough, amplitude and wavelength

showing diffraction around an object

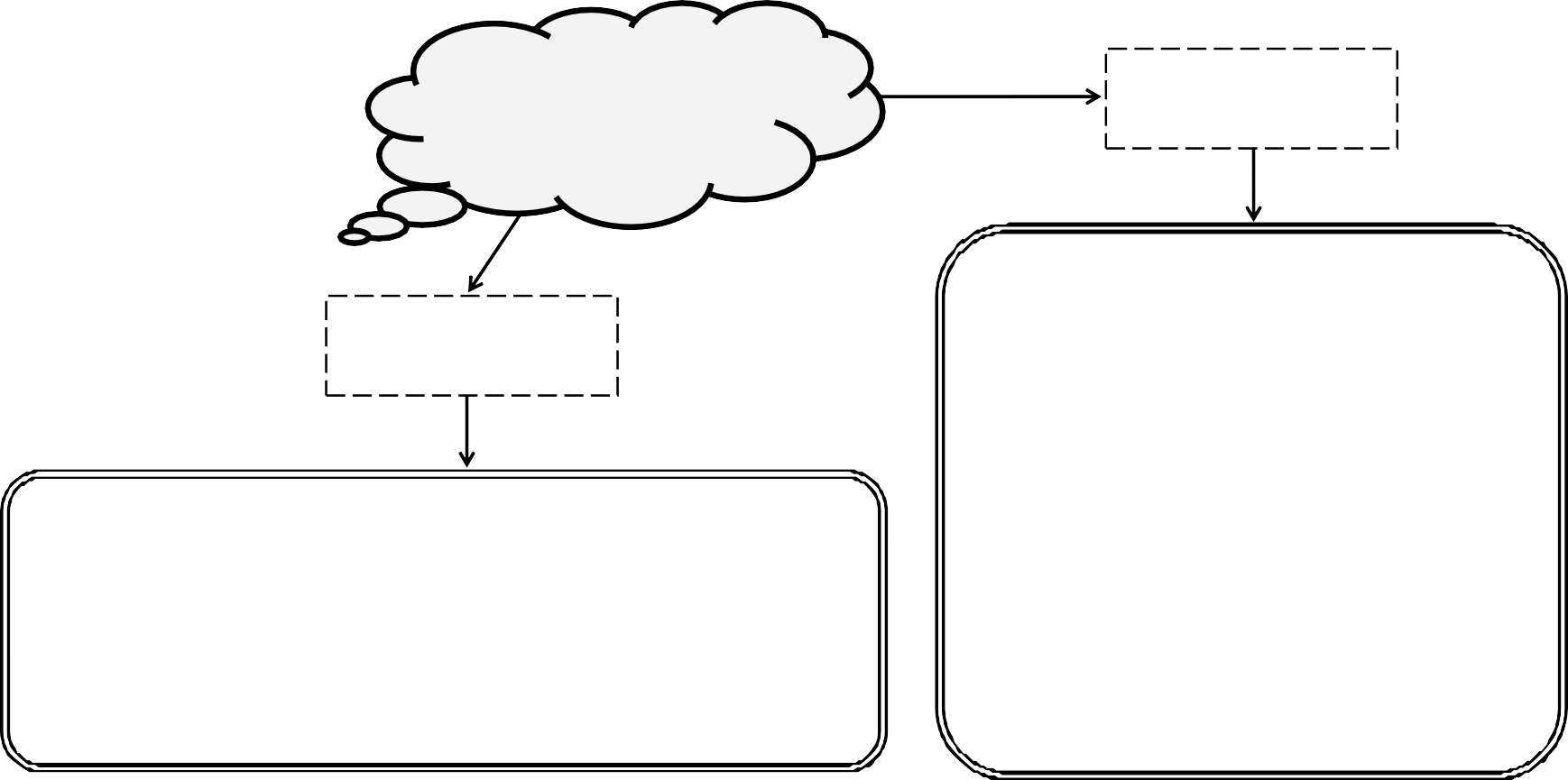
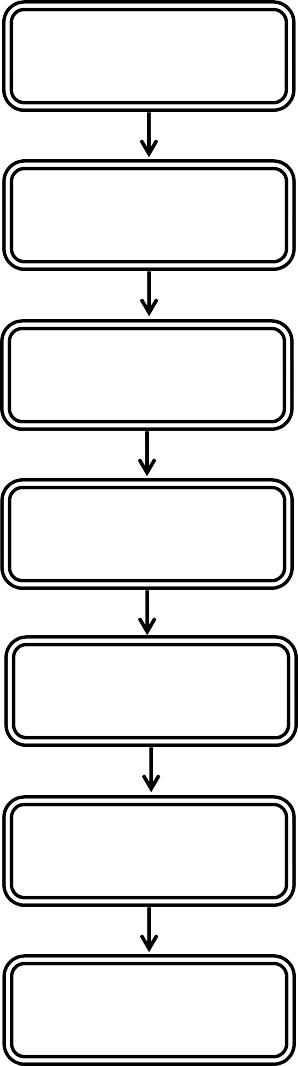


Relationships to calculate frequency and period

What do all EM waves have in common? What speed do they travel at?

List detectors for each type of radiation

# Electromagnetic Spectrum



Put the EM spectrum in order of increasing frequency

List applications for each type of radiation

List typical sources for each type of radiation

Define refraction in terms of wave speed and wavelength

Complete the diagram showing the path of the ray of light

When does refraction occur?

# Refraction of

**Light**

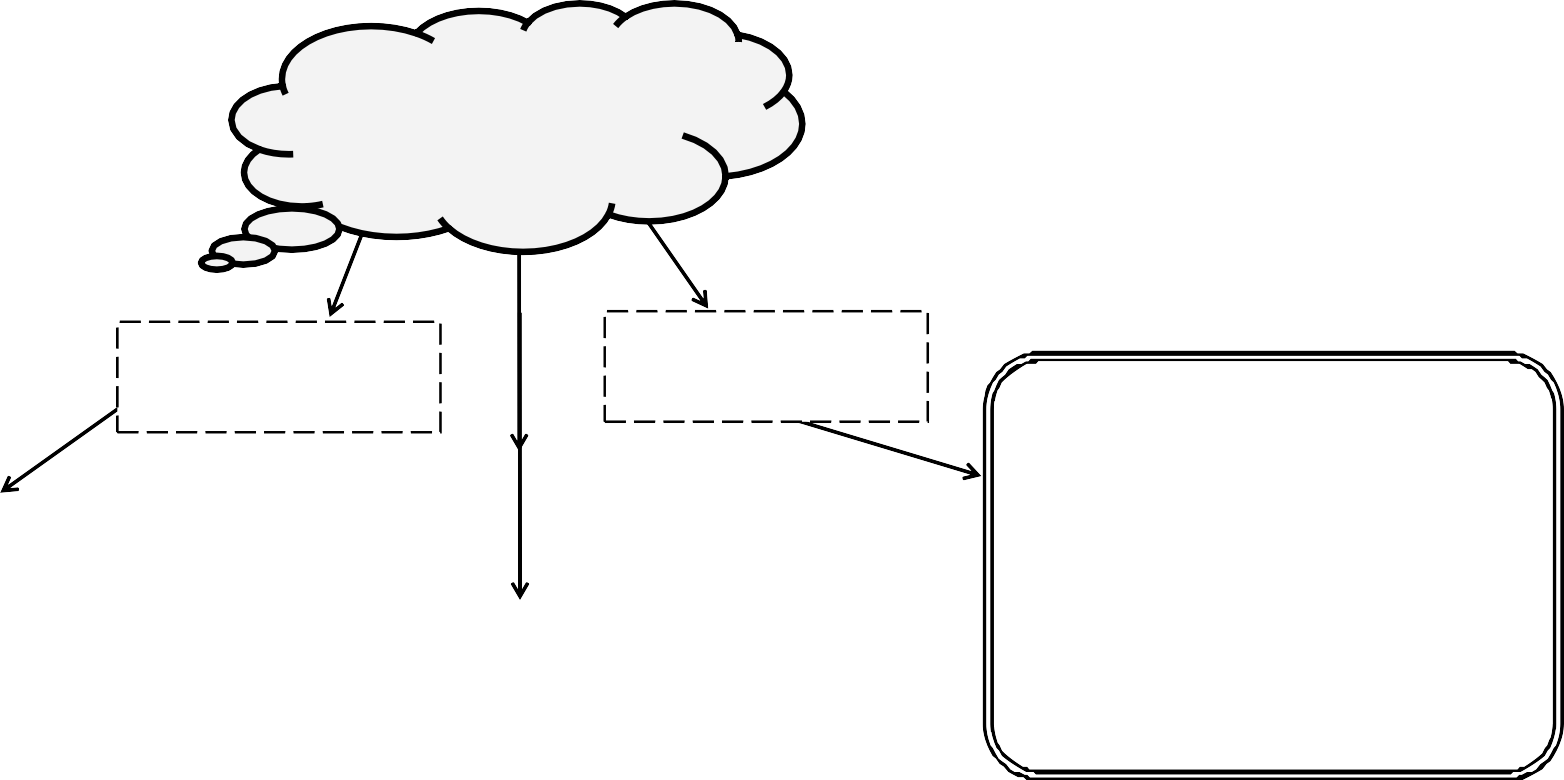
Label the angles of incidence and refraction; and the normal

Name this lens.

Complete the diagram

Name this lens.

Complete the diagram



Define...

Angle of incidence:

Angle of refraction: