

Name

2.12 Study of Space by the Electromagnetic Spectrum

Review

1. Why do astronomers use light-years as a measure of distance?
2. In the electromagnetic spectrum, which wavelengths are shorter than visible light? Which are longer than visible light? Which are relatively cooler? Which are relatively hotter?
3. Why does light we see today tell us something about what happened earlier in the history of the Universe?

Explore More

Use the resource below to answer the questions that follow.

1. What is the electromagnetic spectrum?

2. What type of waves have the shortest wavelengths?

3. What type of waves have the longest wavelengths?

4. What do electromagnetic waves transmit?

5. Define wavelength.

6. Define frequency.

7. What type of waves have the lowest frequency?

8. What is the visible light region?

9. How is colour produced?

10. What do scientists use the electromagnetic spectrum for?