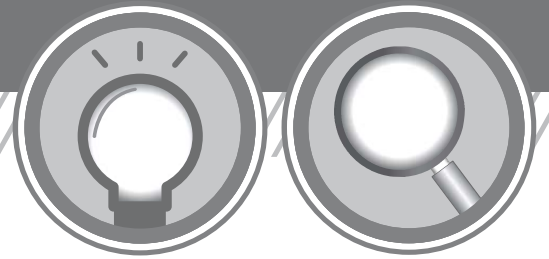


ACTIVITY MULTI-WAVELENGTH ASTRONOMY

LOCATION ASTRONOMY CENTRE



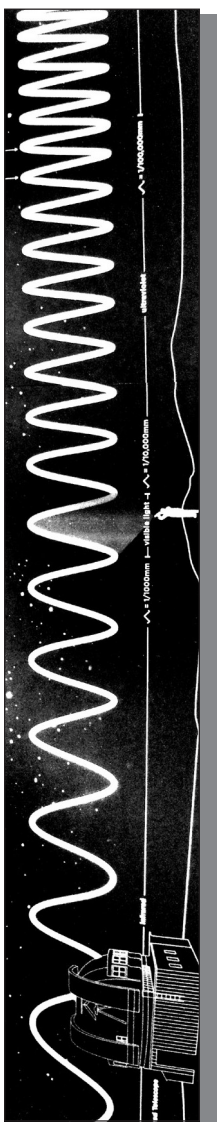
GALLERY ASTRONOMY INSPIRES & EXPLORES ///

Go to the *Astronomy Inspires* gallery. Watch the video. Write down a few things we have discovered about the Universe. ///

Astronomers use telescopes that are able to detect multi-wavelength light – this allows us to see all of the different parts of astrophysical objects and gain a more complete understanding of the Universe.

Go to the *Astronomy Explores* gallery. Take a look at the panel on the wall (far left) and put these types of light in the correct order starting with the highest energy radiation:

X-ray // infrared // radio // gamma-ray // ultraviolet // microwave // visible.

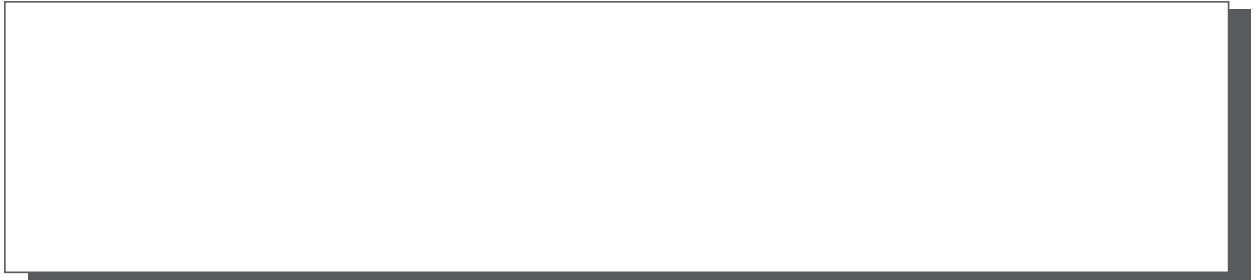


What are they part of?///

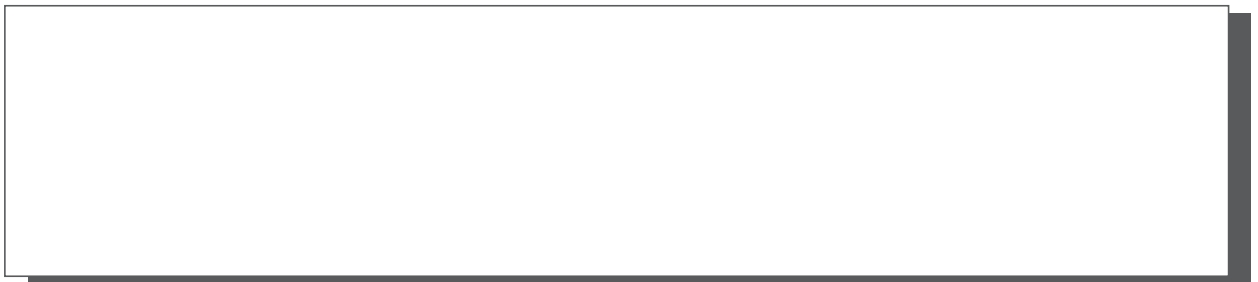
Take a look at the infrared camera. Why do we use infrared telescopes to look at objects in space?///

What do you think might affect an infrared telescope on Earth?///

Look around the gallery. Who discovered infrared radiation and how was it done?///

A large, empty rectangular box with a thin black border, intended for the user to write their answer to the question above. The box is positioned below the text and is currently blank.

Take a look at the multi-wavelength images. Choose an object and move the dial to see it in different wavelengths. Describe what you see.///

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The atmosphere protects us from high-energy radiation such as X-rays and gamma rays. How can we see this emission from the objects above (where are the telescopes)?///

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