

The Webb Space Telescope and Infra-Red Light

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Students Question Paper.

What is the name of the colours we can see when white light is split by a Prism? _____

What are the seven colours that can be seen with the human eye?

Write a sentence here to help you remember the order of the colours.

Where in nature can you easily see these colours? _____

What is visible light only part of? _____

What is Light in the form of? _____

There are longer and shorter _____ of light that we cannot see.

The three shorter ones are named as:

_____, _____ & _____

The three longer ones are named as, _____, _____ &

Why are we able to observe different types of objects if we look at the sky with different instruments?

Why is Webb's Sun Shield so important?

What difference does the Sun Shield make to the instruments?

What temperature is it on the cold side of the sun shield? _____°C

What temperature is it on the warm side of the sun shield? _____°C

What are the names of Webb's four main instruments?

_____, _____, _____, _____

Find out what each instrument's name means and briefly describe what each one does.

_____ - _____

_____ - _____

_____ - _____

_____ - _____

What temperature does MIRI need to be to work properly? _____ °C

What is built into MIRI so that it gets so cool? _____

What will Webb be able to see further than? _____

What will Webb be able to see that Hubble cannot?

What will all this give us clues about?

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