

Your aim is to find out more about weather **satellite images** and **synoptic charts**.

1. What is a **Visual (VIS) satellite image**?

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a) Are clouds usually dark or light on VIS images (underline the correct choice)?

Why?
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b) Is sea usually dark or light on VIS images (underline the correct choice)?

Why?
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2. What is an **Infra-Red (IR) satellite image**?

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a) What is indicated by dark areas on a grey-scale IR image?

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b) What is indicated by light areas on a grey-scale IR image?

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c) Would you expect **land** areas to be darker or lighter than **sea** areas in mid-summer (underline the correct choice)?

Why?
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d) Would you expect **high level clouds** to be whiter or less white than **low level clouds** (underline the correct choice)?

Why?
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3. Use the [MetLink](#) website to find a current **IR satellite image** for your own region or another region of your choice. **Copy and paste the image into the space below.** Add as many **labels** as you can eg high cloud, low cloud, warm and cold areas, fronts, possible areas of high or low pressure, likely wind circulations.

Write a brief **summary** of the **synoptic situation** (pressure pattern, fronts, wind circulations, weather conditions):

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4. Now use the [MetLink](#) website to find a professionally plotted synoptic chart of the same region. Copy and paste it into the space below. How accurate was your plotted map above?