

MetLink – Temperature basics (1) Your Name Date

The following questions will help you to investigate how and why **temperatures** vary from **place to place** and in different **seasons** or at different **times of day**.

Go to the **MetLink** website: <http://atschool.eduweb.co.uk/radgeog/MetNetEur/MetNetEur.html>

1. What current **season** is it in the following continents (circle the correct choice)?

a) Europe/North America/Asia - Spring, Summer, Autumn, Winter

b) Africa/ South Sameraica/Australasia - Spring, Summer, Autumn, Winter

How and why does the **season** affect temperature?

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2. How and why does the **time of day** affect the temperature at a particular location?

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3. How and why does distance from the sea (**continentality**) affect temperature in

a) the **winter**

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b) the **summer**

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4. How and why does **latitude** affect temperature?

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5. How and why does **altitude** affect temperature?

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6. **Complete the table below** using the following:

- [MetLink](#) maps and [database](#)
- an atlas or other websites eg to find out distance from sea, latitude and altitude.

| | Name of place | Local time | Temp | Max Temp | Min Temp | Distance from sea | Latitude eg 52 N | Altitude |
|-------------|---------------|------------|------|----------|----------|-------------------|------------------|----------|
| Europe | | | | | | | | |
| N America | | | | | | | | |
| S America | | | | | | | | |
| Africa | | | | | | | | |
| Asia | | | | | | | | |
| Australasia | | | | | | | | |

Use your knowledge of seasons, time of day, continentality, altitude, latitude to explain:

a) The **highest temperature** was at In the continent of
 The reasons for this place being the **highest temperature** are:

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b) The **lowest temperature** was at In the continent of
 The reasons for this place being the **lowest temperature** are:

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