

MODULE 7: HOW IS THE UNITED KINGDOM'S CLIMATE CHANGING? PAST, PRESENT AND PREDICTIONS FOR THE FUTURE.

ANSWER SHEET

ACTIVITY ONE

1. The general trend of the brown line is an increase in temperature
2. Since 1960 the average temperature has increased by 0.9°C – a rate of 0.20°C per decade.
3. The south and east have had the greatest temperature increases as they are furthest away from the influence of the sea.
4. The summer months of JJA are most likely to have the greatest temperature increases as they are the months when latitude is the greatest climatic influence.

ACTIVITY TWO

1. A1B the temperature rise decreases more than in A2
2. This is probably because the population is decreasing and they need less food and are using less energy.
3. All scenarios show future temperatures will be warmer.
4. Average annual temperature is expected to increase by 0.4 to 2.4°C by the 2060's, and 0.6 to 3.2°C by the 2090's.

ACTIVITY THREE

1. The mean annual temperature is projected to increase by 0.4 to 2.4°C by the 2060s, and 0.6 to 3.2°C by the 2090s. The range of projections by the 2090s under any one emissions scenario is around 1.5 - 2.0°C.
2. The projected rate of warming is most rapid in the southeast regions of the UK.