

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

### ANSWER SHEET; CHINA

#### ACTIVITY ONE

- The general trend of the brown line is an increase in temperature.
- Mean annual temperature has increased by 0.8°C since 1960,
- That is an average rate of 0.18°C per decade.
- The temperature increases are particularly high in the northern regions in the winter (DJF).

#### ACTIVITY TWO

- A1B the temperature rise decreases more than in A2
- This is probably because the population is decreasing and they need less food and are using less energy.
- The moderating influence of the sea may be affecting the coastal regions but not those more inland.

#### ACTIVITY THREE

1. Mean annual temperature is projected to increase by 1.3°C to 3.5°C by the 2060s and 1.7°C to 5.5°C by the 2090s. the range of projections by the 2090s under any one emissions scenario is around 2°C.
2. Projected rate of warming is greatest in winter (DJF) with increases of 2.0°C to 6.4°C projected by the 2090s.
3. Projected increases are most rapid in northern and western regions of China, with projected increases in annual mean temperature of around 2°- 6°C in the northern regions (regions A, B, C and F), but more moderate increases of around 1.5° - 5°C in regions D and E.