

Q11B – Climate change

Candidate I

The candidate was awarded **10 out of 10 marks** because they correctly discussed the impact of climate change on terrestrial biodiversity and species distribution. This includes mention of sea level rise cause & effect, rising temperatures, impacts of changes in precipitation on the landscape and on species, natural disasters etc. The candidate then goes on to consider how some of these will impact on species distribution (migration, disruption to food chains, change in biodiversity, extinction, adaptation in the short and long term).

Candidate J

The candidate was awarded **6 out of 10 marks** because they correctly discussed some of the impacts of climate change on terrestrial biodiversity and species distribution. This includes mention of more extreme climates, impacts of these, eg habitat loss and desertification. The candidate uses named examples, and considers how these will be affected, eg polar bears bees, ectotherms, keystone species.

The mark could have been improved by defining terms such as *climate change* and *biodiversity*, and by discussing reactions of species to climate change (stay, migrate, or adapt).