**Climate Change and Biodiversity**

Multiple Choice

1. State what sea meadows are
2. Meadows which have been flooded
3. Undersea fields for grazing seacows
4. Ecosystems based around seagrass
5. Underwater plantations of seaweed
6. Recall what the word turbidity describes.
7. The cloudiness of the water.
8. The height of the waves.
9. The speed of the currents.
10. The motion of the ocean.
11. Select TWO ways in which climate change is affecting sea meadows.

Select ALL correct options

1. Increased storms are damaging seagrass.
2. Increased storms are increasing turbidity.
3. Increased storms are killing their food.
4. Increased rainfall is drowning them.
5. Explain how climate change is causing sea levels to rise.
6. Increasing temperatures are melting the ice caps.
7. Increasing rainfall is filling up the oceans.
8. Decreasing sunlight is evaporating less water.
9. Decreasing gravity is pulling on the water less.
10. Describe how increasing sea levels will affect humans.
11. By destroying our shipping industry.
12. By forcing us out of coastal cities.
13. By bringing sharks to our doorstep.
14. It won't, we're indestructible.
15. Select the lowest average temperature increase needed to make coral expel its protists.
16. 1 degree
17. 10 degrees
18. 20 degrees
19. 25 degrees

Fill in the blanks

1. Use the following words to fill in the gaps.

**biosphere, Genetic, Species, Ecosystem, ecosystem, species**

There are three types of biodiversity: ecosystem, species and genetic diversity.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ diversity is the range of ecosystems in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ diversity is the range of species within an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ diversity is the range of genetic characteristics within a single \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1. Use the following words to fill in the gaps.

**above, greenhouse effect, detrimental, ecosystems**

Aspects of climate change like the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and global warming can alter the environment and surrounding \_\_\_\_\_\_\_\_\_\_\_\_\_\_. When these ecosystems, it can be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to a species’ survival. If a food source is taken out of an ecosystem, then this can affect species \_\_\_\_\_\_\_\_\_\_\_\_\_\_ and below it on the food chain.

1. Use the following words to fill in the gaps.

**species, biosphere, ecosystem**

A high genetic diversity helps a \_\_\_\_\_\_\_\_\_\_\_\_\_\_ survive changes to the environment.

A high species diversity helps an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ survive changes to the environment.

A high ecosystem diversity helps the \_\_\_\_\_\_\_\_\_\_\_\_\_ survive changes to the environment.