Climate Change and Forests
QUICK QUIZ ANSWER SHEET

Question	Answer	Explanation
1	TRUE	Forests are both a sink (they absorb carbon dioxide through photosynthesis) and a source (they release carbon dioxide when they burn or decay after dying).
2	FALSE	97% of the world's scientists agree that climate change is real, it's happening now, and human activity is causing it
3	TRUE	By protecting and sustainably using and managing forests, we can help trees and forest soils maximise their carbon sequestration and storage. What an amazing tool!
4	FALSE	Forest soils store a huge amount of carbon, and sequester it even more rapidly during reforestation. Healthy forest soils help fight climate change!
5	TRUE	There is so much we can do to take action on climate change – both reducing our greenhouse gas emissions AND planning and preparing for climate impacts.
6	B	Carbon does indeed move around as it cycles through the atmosphere, oceans, soils, and living things, however, the term carbon sequestration refers to the transfer of atmospheric carbon into trees and plants, the ocean, and other places, not the reverse. Plant respiration results in carbon transfer from plants to the atmosphere, while carbon sequestration refers to carbon being transferred from the atmosphere to other pools like the biosphere (including forests) or oceans.
7	D	
8	A	The term climate mitigation refers specifically to actions that reduce atmospheric carbon, such as using renewable energy sources and planting trees. Adaptation, on the other hand, describes the strategies for preparing for and dealing with climate impacts.
9	D	Trees absorb carbon dioxide from the atmosphere and store carbon, both of which help slow down climate change. The carbon is only released when trees burn or through decomposition. Although trees do provide great habitat for many animals, this does not help address climate change.