Exploring climate science

atmosphere

SCIENCE MUSEUM LEARNING

Game 1: Where's carbon

Questions for teachers

Q. Where do you find carbon dioxide gas?
A. ATMOSPHERE

Q. Where is carbon dioxide dissolved?
A. OCEANS

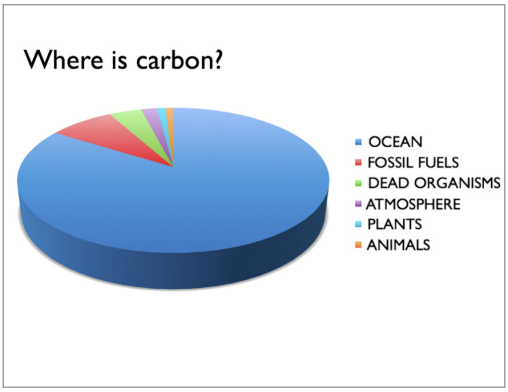
Q. Where is there carbon that has been captured via photosynthesis?
A. PLANTS

Q. Where is there carbon that was in living things millions of years ago?
A. FOSSIL FUELS

Q. From where do animals get their carbon?
A. PLANTS, by eating (or by eating animals that have eaten plants)

Q. From where did the carbon in fossil fuels come?
A. DEAD ORGANISMS (coal from plants, oil from plankton in the sea)

Q. Where are you? Where do you fit into the carbon cycle?
A. ANIMALS

Q. Where is most of the world's carbon?
A. OCEANS – about 84% of it. And about 2% in atmosphere; about 1% in plants; about 1% in animals; about 4% in dead organisms; about 8% in fossil fuels.

Show the 'WHERE IS CARBON?' PowerPoint slide.