

Finn's Earthquake Explorer

Learning objective: To understand the causes of earthquakes and how the Earth's surface moves.

Finn the dolphin is learning about the land. Earthquakes happen when big pieces of the ground, called tectonic plates, move and bump into each other. Look at the sentences below. Decide if they are True or False. If they are False, use the word bank to help you write the correct answer.

Word bank: plates · true · false · shake · surface

1. 1. Earthquakes make the ground shake. Is this statement True or False? (2 marks)

2. 2. The Earth's outer layer is made of giant pieces called plates. Is this True or False? (2 marks)

3. 3. The plates always stay perfectly still. Is this True or False? (If False, say what they do instead) (2 marks)

4. 4. Earthquakes happen deep under the surface of the Earth. Is this True or False? (2 marks)

Draw: Draw a picture of the Earth's ground shaking. Show some big rock pieces (plates) bumping into each other underground.

Extension challenge: Finn wants to know how we measure earthquakes. Can you find out the name of the machine that scientists use to measure ground movement? Hint: It starts with an 'S'.