

Task: Butterfly or Moth?

Approach: Station
 Focus: Identifying differences and similarities
 Resources: Video recording on laptop computer

Year: 4 & 8

Questions / instructions:

This activity uses the computer.

Click the **Butterfly or Moth?** button to hear the video.

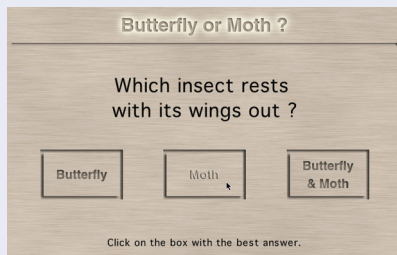


VIDEO VOICEOVER:

Listen carefully to the video. It tells about the differences between a butterfly and a moth.

Butterflies and moths look alike, but there are ways of telling them apart. Butterflies are usually more colourful than moths. Butterflies fly around during the day, while most moths fly at night. At night, moths cannot use what they look like to find each other. Instead the male finds the female by her scent. Moths often shiver before they fly. The shivering helps to warm up their bodies. When a moth lands it spreads out its wings. Most butterflies rest with their wings pressed together. When butterflies and moths land they hold on tight using hooks on their feet. A butterfly's antenna has a blob at its end. The antenna of a moth is feathery. Both butterflies and moths have two pairs of wings, which they use to fly through the air. They have large eyes that allow them to see in colour. Butterflies and moths feed on the sugary nectar made by flowers. Butterflies and moths lay their eggs on plants. Their eggs hatch into caterpillars.

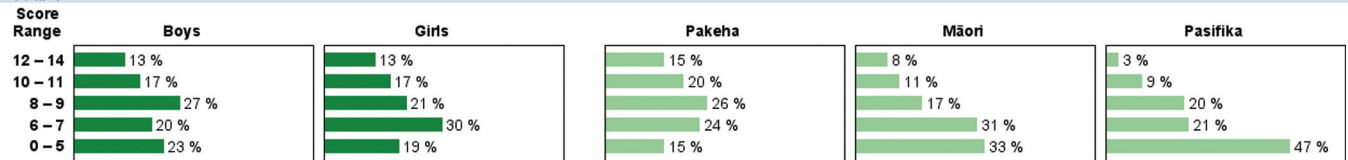
Answer the questions by clicking the mouse on the box you think is correct.



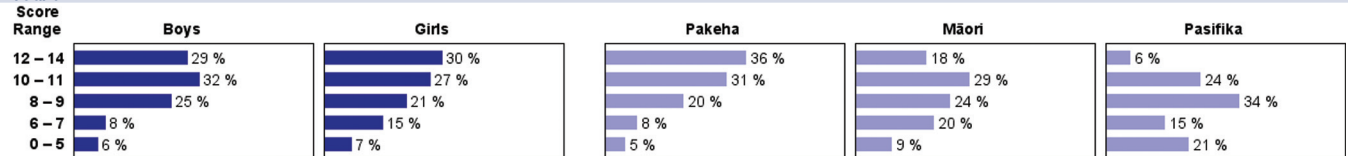
		% responses	
		y4	y8
Which insect has 2 pairs of wings?	both	65	81
Which insect comes out in daylight?	butterfly	76	89
Which insect rests with its wings out?	moth	54	73
Which male insect finds a female by her scent?	moth	62	70
Which insect has a blob on the end of its antenna?	butterfly	66	77
Which insect uses its wings to fly?	both	62	83
Which insect feeds on flower nectar?	both	35	56
Which insect rests with its wings together?	butterfly	62	79
Which insect has feathery antenna?	moth	69	85
Which insect has eggs that hatch into caterpillars?	both	21	38
Which insect has hooks on its feet?	both	43	63
Which insect shivers before it flies?	moth	71	79
Which insect sees in colour?	both	16	27
Which insect comes out at night?	moth	88	96
Total score:			
	12-14	12	30
	10-11	17	30
	8-9	25	22
	6-7	25	11
	0-5	21	7

Subgroup Analyses:

Year 4



Year 8



Commentary:

Performance on recall of audio information was moderately good at year 4 level and substantially better at year 8 level. There were almost no gender differences, but a large difference by ethnic groups was found in both year 4 and year 8. These differences were more evident at year 8.