

Metamorphosis

9 Metamorphosis is a process by which animals undergo an
19 abrupt and obvious change in the structure of their body
26 and their behaviour. Some animals undergo complete
32 metamorphosis, in which they completely transform.
37 Other animals experience incomplete metamorphosis,
46 where they go through several different stages, with each
52 stage getting bigger than the last.
59 Complete metamorphosis has four distinct stages: egg,
70 larva, pupa and adult (for example a frog or butterfly) and
79 the animal looks very different at each stage. Incomplete
86 metamorphosis has three distinct stages: egg, nymph,
95 and adult (for example a dragonfly or grasshopper) and
104 the young animal (nymph) looks like a smaller version
107 of the adult.



Quick Questions



1. Find and copy two words in the text that mean the same as 'change'.



2. Name two animals from the text that go through complete metamorphosis.



3. Describe two ways in which complete and incomplete metamorphosis are different.



4. Explain why the word 'abrupt' has been used to describe metamorphosis.

Nine Facts about Planet Nine

- 10 Even though no one has seen it yet, astronomers believe
20 they have discovered a ninth planet in our solar system.
- 25 **Nine facts about 'Planet Nine':**
- 32 • It is 10 times bigger than Earth.
- 41 • It might be 20 times further away than Neptune!
- 48 • Its orbit is 10,000 to 20,000 years.
- 55 • Its gravity seems to affect objects in
60 space that circle around Neptune.
- 71 • The discovery of a 'new' planet for the first time in
77 150 years could change scientists' understanding
84 of how the solar system was made.
- 89 • UFO enthusiasts have often written
93 about a mythical 'Planet X'.
- 104 • There's only a one in 15,000 chance that it doesn't exist.
- 112 • It is a 'real' planet, which replaces the
116 downgraded 'dwarf planet' Pluto.
- 122 • The race is on to prove
124 its existence!



Quick Questions



1. Which word means the same as 'found'?



2. Find two adjectives that are antonyms of each other.



3. Do you think that the existence of Planet Nine will be proven? Explain why.



4. What effects has Planet Nine had on us and our solar system?

Whodunnit?

- 8 What happened to Ms Smith's jewellery that day?
18 She was meant to wear it to watch a play,
27 She left it behind when she had got dressed,
32 All adorned in her Sunday-best.
40 Miss Ruby was seeing her friend that morning,
48 She heard the crash which came without warning,
57 The woman screamed - she was given a fright,
66 She yelled for help with all of her might.
74 The Doctor, in his usual morose, glum way,
81 Was up in his study, beavering away.
88 He ambled upstairs to discover the theft,
96 And discovered the jewellery box; nothing was left!
102 Sir Crumpet in his garden outside,
109 Was pruning all his shrubs with pride.
117 He claimed to hear voices behind the house,
126 But assumed it was either a pheasant or grouse!
134 It's such a mystery, who stole the gold,
141 The police predict its already been sold.
150 The townsfolk and I really don't have a clue!
157 The important question here is: do you?



Quick Questions



1. Where was Mrs Smith going on the day of the robbery?



2. Find and copy a word which suggests that the Doctor was slow.



3. What does the phrase 'He claimed' imply about Colonel Crumpet?



4. Can you solve the mystery? Who do you think 'dunnit'? Why?
