

Boffins 3

100 m. All animals in the world can be put into one of two groups: 1. Vertebrates 2 Invertebrates
Vertebrates are animals that have backbones. From the descriptions below, name each group of Vertebrates.

- 1) Breathe with gills. Lay eggs in water. Have fins and scales. Body temperature changes with environment.
- 2) Born with gills that turn into lungs. Live on land but must return to water to lay eggs. Damp skin. Body temperature changes with environment.
- 3) Breathe through lungs. Live mainly on land. Lay soft eggs on land. Dry, scaly skin. Body temperature changes with environment.
- 4) Breathe through lungs. Lay hard eggs on land. Have feathers on skin. Steady body temperature, controlled by body.
- 5) Breathe through lungs. Give birth to live babies. Have body hair or fur. Steady body temperature, controlled by body. Females feed babies on milk.

(Two points for each correct answer).

Javelin From the event above, name three species which would fit into each group of vertebrates.

Group 1)	1/3 answers = 1 point
Group 2)	4/5 answers = 2 points
Group 3)	6/7 answers = 5 points
Group 4)	8/9 answers = 7 points
Group 5)	10/11 answers = 8 points
	12 + answers = 10 points

200 m. Invertebrates are animals that have no backbone. (They may have an external skeleton).

- 1) Insects have legs and body parts. (2 answers)
- 2) Arachnids have legs and body parts. (2 answers)
- 3) Molluscs have one slimy to move around on. They often have a to protect them. (2 answers)
- 4) Worms (are/are not) invertebrates. (1 answer)
- 5) True or false? Butterflies are insects.

Spiders are insects.

Snails and slugs are molluscs. (3 answers) (One point for each correct answer).

Discus Place each of these animals into its invertebrate group.

Ant, bee, tarantula, slug, scorpion, garden snail, wolf spider, wasp, octopus, house fly,

Group 1: Insects

Group 2: Arachnids

Group 3: Molluscs

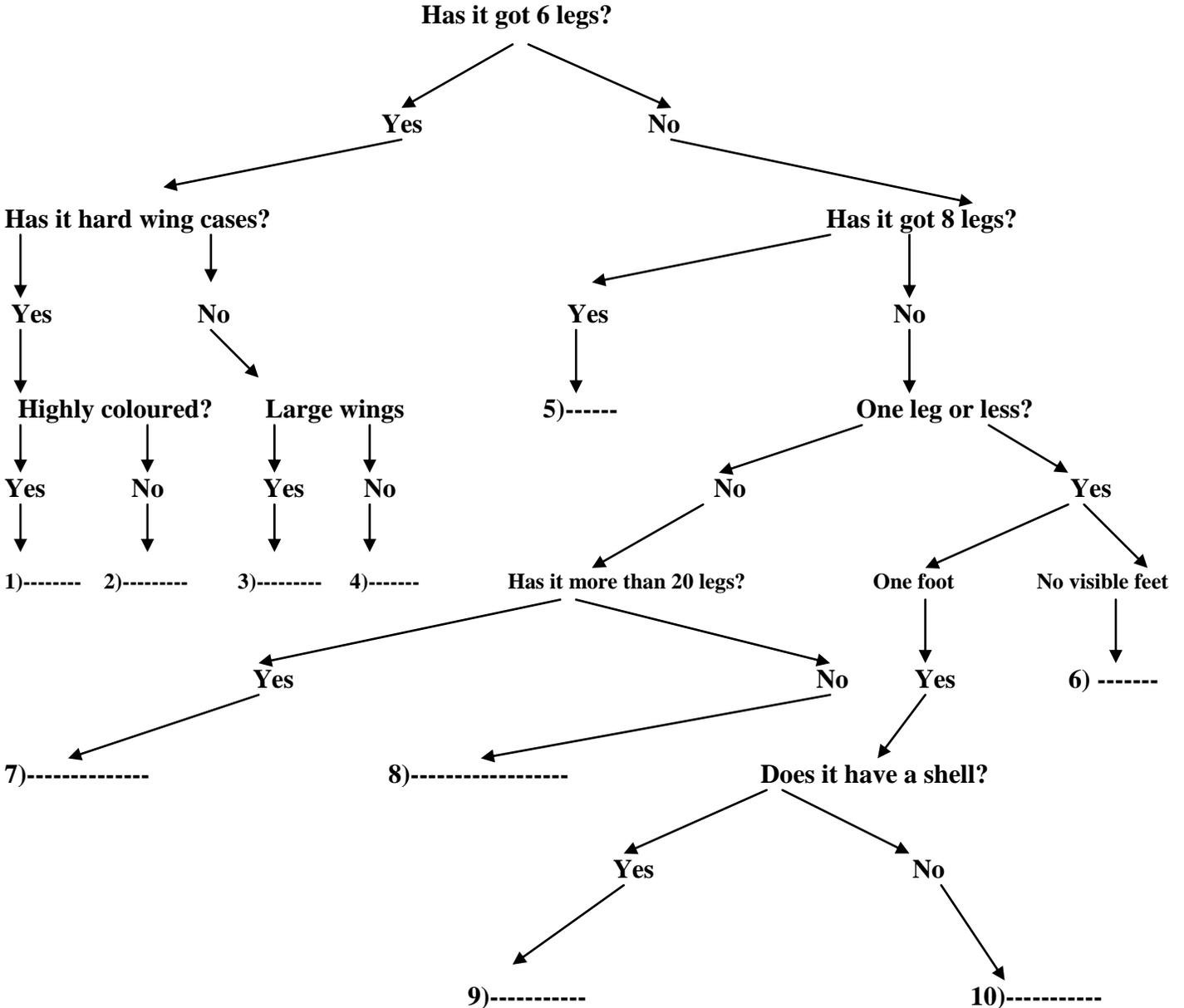
(One point for each correct answer)

Weight Lifting Give a name to one of these plant groups:

- 1) They lose their leaves in the autumn. (Clue: D----- t----.)
- 2) They are evergreen. They keep their leaves and produce cones. (Clue: C----- t----.)
- 3) Mushrooms, toadstools and moulds. (Clue: --n-i)
- 4) Slime in ponds and fish tanks. Seaweed. (Clue: A----)
- 5) They make spores instead of seeds. (Clue: F----)

Steeple Chase Complete this key by placing the following animals in the correct places:

ladybird, spider, snail, housefly, centipede, woodlouse, butterfly, slug, worm, rove beetle



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|----|-----|
| 1) | 6) |
| 2) | 7) |
| 3) | 8) |
| 4) | 9) |
| 5) | 10) |

(One point for each correct answer)

(Total points:)