

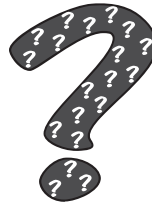
SCIENCE PUZZLERS, TWISTERS & TEASERS

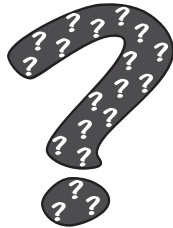
Classification

Classification Riddles

1. You have learned that living things are classified into groups based on genetic similarity. Try to solve the following riddles about real organisms that aren't so easy to classify.

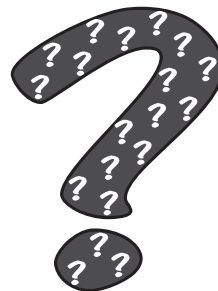
a. I have a beak like a bird,
And my arms are like snakes.
I have more ink than a pen,
But I write to confuse.
What am I?

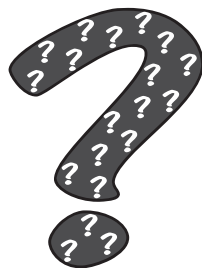




b. I have a bill like a duck,
But the hair of a mammal.
I lay eggs like a bird,
But I nurse my young.
What am I?

c. Some take me for a plant,
But I don't like the sun.
I'm sure not an animal
For I'm not on the run.
I make bread fuzzy,
And I make bread rise.
Try to guess my kingdom—
It's quite a surprise.
What am I?





Classification, continued

Planet of Confusion

2. On the imaginary planet of Molyrhenium, there are four types of life: Gollyhoots, Trungfleppers, Zamzums, and Nelvos. All Gollyhoots are Trungfleppers. Some Trungfleppers are Zamzums. All Zamzums are Nelvos.



Which of the following statements must be true? Circle all that apply. (Hint: Try drawing a diagram.)

- a. Some Gollyhoots are Nelvos.
- b. Some Zamzums are Gollyhoots.
- c. All Zamzums are Trungfleppers.
- d. Some Nelvos are Trungfleppers.
- e. All Nelvos are Gollyhoots.
- f. Some Gollyhoots are Zamzums.

Complete the Sequence

3. Find the next two terms in each of the following sequences.

- a. 1, 4, 9, 16, 25, _____, _____
- b. 1, 1, 2, 3, 5, 8, 13, _____, _____
- c. J, F, M, A, M, J, J, A, S, O, _____, _____
- d. S, G, F, O, C, _____, _____

Riddle Poem

4. Which word is described by this riddle poem? The poem describes the word's letters. (Hint: But who is the king?)

My first is in Austin but isn't in Boston,
My second's in pond and also in frond.
My third's in the city but not in the street,
My fourth's not in steak, but it is found in meat.
My fifth and eighth are one and the same,
(They're found in the park, the ball, and the game).
My sixth is on a flea; my seventh's not in glee,
What word could I possibly be?
