

Name: _____

Date: _____

How are Living Things Grouped?

Read and circle the correct choice. (1 point each)

1.) A chart with many choices that guide you to the name of the organism or object you want to identify is called:

- | | |
|---------------------|----------------|
| A.) Classification | C.) Answer key |
| B.) Dichotomous key | D.) Diagram |

2.) Organisms are classified together in Domains and Kingdoms based upon:

- | | |
|----------------------|---------------------------------------|
| A.) Their name | C.) Similar Characteristics |
| B.) Random selection | D.) The Scientist who discovered them |

3.) Plants are divided into two groups, vertebrates and invertebrates.

- A.) True
B.) False

4.) What combination of shared characteristics would all plants have in common?

- | | |
|---|---|
| A.) Make their own food and unicellular | C.) Don't make their own food and unicellular |
| B.) Make their own food and multicellular | D.) Don't make their own food and multicellular |

5.) What combination of shared characteristics would all animals have in common?

- | | |
|---|---|
| A.) Make their own food and multicellular | C.) Don't make their own food and multicellular |
| B.) Make their own food and unicellular | D.) Don't make their own food and unicellular |

6.) Ramon wants to classify an organism. The organism can be seen without a microscope. Its cells have cell walls but no chloroplasts. The organism gets food by breaking down dead organisms. Which kingdom does this organism likely belong to?

- | | |
|------------|-------------|
| A.) Animal | C.) Plant |
| B.) Fungi | D.) Protist |

7.) Ali is classifying organisms into different domains. When he observes one group of organisms under a microscope, he sees that they are unicellular. Some are beneficial while others are harmful. Which kingdom or domain do these organisms most likely belong to?

- | | |
|--------------|--------------|
| A.) Animalia | C.) Archaea |
| B.) Eukarya | D.) Bacteria |

8.) Use the dichotomous key below to identify the mystery organism to the right.

1a	leaf has 3 or less lobes	Aspen
1b	leaf has more than 3 lobes	Go to 2
2a	Leaf has sharp, pointed edges	Maple
2b	Leaf has smooth, rounded edges	Go to 3
3a	Leaf is long and narrow	Oak
3b	Leaf is short and fat	Hawthorne



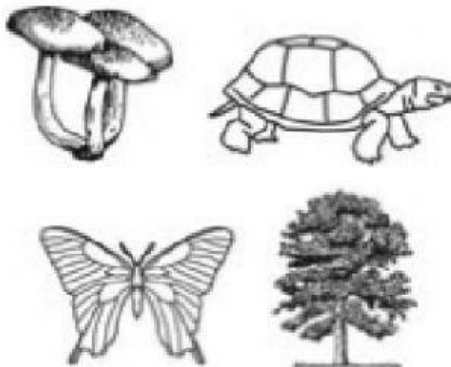
Photo Credit: <https://pixabay.com/en/sheet-oak-leaf-yellowed-sheet-1029164/>

The identified leaf is:

- A.) Aspen
- B.) Hawthorne
- C.) Maple
- D.) Oak

9.) Four organisms are pictured below.

Which of the following best describes the classification these organisms are examples of?



- A.) different mammals
- B.) different invertebrates
- C.) different domains
- D.) different species

10.) Animals can be classified as vertebrates and invertebrates. Which structure must be present in order for an animal to be classified as a vertebrate?

- A.) a tail
- B.) a brain
- C.) a backbone
- D.) a wing

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**11.) Into which kingdom does each organism belong? Write the name of the kingdom on the line.
(2 points)**

Apple tree _____

Lady bug _____

Yeast _____

Paramecium _____

12.) These organisms are very different, and yet they are all classified in the same kingdom. Identify two characteristics that allow them to be classified together, and identify the kingdom to which they all belong. (2 points)



14) Explain how can fungi be useful to the environment? (1 point)
