Do Now

Homework
  ◦ Identify at least 5 structural adaptations of 1 animal

Do Now
  1. What are your new years resolutions?
  2. What was your favorite topic/class/activity from last semester?
Class Pet

- Terry the Tarantula
- Terry is poisonous so we will not touch it in any way
- We will only appreciate it from the outside of the glass
- If you want to feed it you need an 85+ and no consequences in the last 2 weeks and all of your HW assignments completed.
Objectives

- SWBAT identify common structural characteristics of animals by looking at pictures.
- SWBAT classify organisms by creating categories.

Essential Question

- How do scientists use structural characteristics to group animals together?
Match the term with the picture

1. Beak
2. Claws
3. Talons
4. Antlers
5. Hoof
6. Segmented body
7. Tentacles
8. Stalk
9. Fur
10. Gills
11. Fangs
12. Cone
Answers

1. I
2. J
3. G
4. K
5. A
6. F
7. E
8. B
9. D
10. C
11. H
12. L
Essential Vocabulary

- **Classification**
  - A system of organizing things into groups
  - Biological classification is used to categorize and organize organisms

- **Adaptation**
  - Any variation that makes an organism better suited to its environment

- **Structural adaptation**
  - An adaptation of the physical features of an organism
Classification activity

- Separate the 26 cards into categories.
  - Create 2 categories every time
  - The groups do not need to have the same #’s
    - Example, your first split needs to be 2 groups but you can have 10 in 1 and 16 in the other

- Label each group
  - Example, plants and animals
  - Example, animals and not animals
Classification activity
Questions – answer in complete sentences

1. On what basis did you first separate the organisms?

2. After the first grouping, what characteristics did you use as distinguishing factors?

3. In terms of shared characteristics, what happens as you make more subdivisions? (do the organisms have more shared characteristics?)

4. How did you choose names of the categories?
How do scientists use structural characteristics to group animals together?
Exit Ticket

1. Match the 6 pictures to the structural features
   Segmented body, toes, horn, webbed feet, claws, broadleaf, needles, spines, flat body, fin, fur

   A  
   B  
   C  
   D  
   E  
   F

2. Place the objects into two categories and label the categories.

3. Would you like the opportunity to feed Terry?