**Kingdom Animalia Comparison Project**

Select one animal from the phyla below:

* Porifera (sponges)
* Cnidarian (jellyfish, anemones)
* Platyhelminthes (flatworms eg. planaria, parasitic tapeworms)
* Nematoda (roundworms eg. parasitic ascaris)
* Annelida (segmented worms eg. earthworms, leeches)
* Mollusca (oysters, mussels, clams, octopus, snails)
* Echinodermata (sea stars, urchins, sea cucumber)
* Arthropoda (lobsters, crabs, spiders, mites, insects, centipedes)
* Chordates (fish, reptiles, amphibians, bird, mammals)

**Part I - Research using your textbook and internet to discuss the following:**

|  |  |
| --- | --- |
| 1. Full classification (KPCOFGS) 2. General Habitat 3. Other animals in this group 4. Levels of Organization 5. Germ Layers 6. Symmetry 7. Body cavity | 1. Form and Function:  * Skeleton * Feeding, digestion * Respiration * Movement * Circulation * Excretion * Nervous System * Reproduction  1. Role in its environment 2. Interesting Facts |

Top marks go to: (30pt)

1. Having all content present and correct. (17pt)
2. Good use of images that support information. (5pt)
3. Content is in your own words, concise, easy to understand, with no spelling errors. (5pt)
4. Sources cited. Minimum of 6 credible sources - No wiki, prezi, or weebly. (3pt)
5. Use your Office 365 account and submit presentation to **Teams** - no google links, no email.

**Part II -** Share your animal in a Gallery Walk. Collect data on the other animals to complete the chart. You will hand this in. (10 pt)

**Part III - Written summary paragraphs.** (20pt)

* Paragraph 1: Analyze your chart to summarize in paragraph form (using complete sentences) the increasing trend of complexity of animal lifeforms.
* Paragraph 2: Summarize how YOUR animal’s structures allow it to survive and reproduce. Summarize how YOUR animal interacts with other species to fulfill its role in the environment

Sign up sheet

|  |  |  |  |
| --- | --- | --- | --- |
| Phylum | Animal | Name | |
| Porifera |  |  |  |
| Cnidarian |  |  |  |
| Platyhelminthes |  |  |  |
| Platyhelminthes |  |  |  |
| Nematoda |  |  |  |
| Annelida |  |  |  |
| Mollusca |  |  |  |
| Echinodermata |  |  |  |
|  |  |  |  |
| Arthropoda |  |  |  |
| Chordata  (Bird) |  |  |  |
| Chordata  (amphibian) |  |  |  |
| Chordata  (reptile) |  |  |  |
| Chordata  (land mammal) |  |  |  |
| Chordata  (ocean mammal) |  |  |  |
| Chordata  (marsupial) |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Phylum | Group/Examples | Segmentation | Circulation Respiration | Locomotion  Skeletal | Digestion  Excretion | Nervous  Cephalization | Reproduction |
| Porifera |  |  |  |  |  |  |  |
| Cnidaria |  |  |  |  |  |  |  |
| Platyhelminthes |  |  |  |  |  |  |  |
| Nematoda |  |  |  |  |  |  |  |
| Annelida |  |  |  |  |  |  |  |
| Mollusca |  |  |  |  |  |  |  |
| Arthropoda |  |  |  |  |  |  |  |
| Echinodermata |  |  |  |  |  |  |  |