

Animal Groups Presentations

1. To help you learn about the different groups of animals you and one partner will select one of the following groups of animals:

Perissadactyla	Rodentia	Chiroptera	Carnivora
Cetaceans	Primates	Proboscidea	
Placental mammals	Agnatha	Cephalopoda	Cnidaria
Nematoda	Gastropoda	Annelida	Platyhelminthes
Chelicerata	Crustacea	Echinodermata	Porifera
Insecta	Chondrichthyes	Osteichthyes	Diplopoda
Amphibia	Reptilia	Aves	Chilopoda
Monotremata	Bivalva	Marsupialia	

2. You will teach the class in a 3-6 minute presentation. Your presentation, made in Google Docs, must include the following components:

A. Six slides with the following content:

Slide 1: Title Slide

Include your and your partner's names and the taxonomic classification of your chosen animal group (i.e. Kingdom, Phylum, etc).

Slide 2: Introduction Slide

Use an interest grabber. Engaging question, joke(s)? Video clip, interesting facts, etc.

Slide 3: How your group accomplishes the 7 things all animals need to survive

Use a bulleted list that is animated to appear one bullet at a time
No more than 5 words per bullet

Slide 4: How the 5 evolutionary trends are seen in your animal group

Use a bulleted list that is animated to appear one bullet at a time
No more than 5 words per bullet

Slide 5: Three example species within your animal group

Choose species as diverse as possible. One may be a fossil ancestor.
List one interesting fact or remarkable feat associated with each species
(Use this slide to tell us what you find fascinating about the group)

Slide 6: Citations Slide

Include links to any websites used as well as any print resources.

B. Share your presentation with me: landis@4j.lane.edu

3. You will also create three good test questions. The questions must be emailed in the body of a message (NOT as an attachment), no later than 9pm on _____ to:

landis@4j.lane.edu

The subject line of the message must contain the following (without the brackets):

<class period>, <partner names>, <animal group> test questions

ex: period 4, Smith and Jones, Porifera, test questions

Use the example test questions below as your guide for how to format your questions and indicate the correct answer:

1. Name the specialized cells of Cnidarians

- a) nemo cells
- b) cysts
- c) stinging cells
- d) nematocysts**

2. What kind of body plan do Cnidarians have?

- a) radial symmetry**
- b) radical symmetry
- c) bilateral symmetry
- d) no symmetry

4. The presentations will begin: _____

The seven things every animal must do to survive

Read 26-1 in your text.

1. Feeding:
Complete or incomplete digestive tract?
Any special parts involved?
Anything special about the diet?
2. Respiration:
How does gas exchange happen in this group? Diffusion? Lungs? Gills? Something else?
3. Circulation:
Is there a circulatory system? Open or closed? Is there a heart? How many chambers?
4. Excretion:
In five words or less, describe how the animal gets rid of waste. (These words may help: kidney, cloaca, anus, etc)
5. Response:
How complex is the nervous system? Got brain? Any special sensory systems?
6. Movement:
Does this group move? Does it have a skeleton? Endoskeleton or exoskeleton?
7. Reproduction:
Sexual or asexual? Internal or external fertilization?

The five trends in animal evolution.

Read 26-1 in your text.

1. Cell specialization:
Name and describe one or two special types of cells, tissues, or organs that perform a unique function in your group
2. Early Development:
Protostome or deuterostome? (what do those terms mean?)
3. Body Symmetry:
Bilateral or radial?
4. Cephalization:
Are the organisms in your group put together such that they have a head?
5. Body Cavity Formation:
Most animals have a coelom ("see-LOME"). Does yours?

How to design a lesson using a slide-based presentation

A. The document:

Use Google Docs Presentation (all you need is a free gmail address)

Start your presentation with an interest grabber (story or fact about your animal? question for the class?)

Restrict the words per page to about 5 words per bullet, and about 6-10 bullets per page.

Use high contrast fonts and backgrounds

Use notes (don't read the screen)

Animate your slides by making bullets enter one at a time

Know your own vocabulary (nothing hurts a presentation as bad as when the presenter doesn't know how to say a word)

B. The presentation:

Rehearse for another audience (family or friends) who will ask questions and see if you know it.

Get interactive. Ask a minimum of one question per slide to engage the audience and/or check their understanding

Design the presentation to allow time for writing

C. Grading:

Criterion	Possible Points	Points Earned	Comments
Was the group ready to present at the start of class?	5		
Was the presentation 3 – 6 min. long?	5		
Is it clear where the group fits into the animal kingdom?	5		
Are the distinguishing characteristics of the group clearly stated?	5		
Is it clear how the group accomplishes the 6 things all animals do and how the 5 evolutionary trends are present in the group?	5		
Are there at least three examples of species from the group?	5		
Is the presentation well organized and easy to follow?	5		
Are the visuals easy to see, neat and informative?	5		
Did all group members participate in giving the presentation?	5		
Were the test questions formatted and emailed correctly?	5		
Total	50		

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