

Name: _____

Section: _____

Date: _____

ANIMALS INFORMATION GUIDE

When is the Quiz?

★ Thursday, November 11th

What will the Quiz cover?

★ The quiz will cover the following sections in Science Explorer: Animals:

- Chapter 1, Section 1 pp. 16-22. *What is an Animal?*
- Chapter 3, Section 1 pp. 82-86. *What is a Vertebrate?*
- Chapter 4, Section 3 pp. 133-138. *What is a Mammal?*
- Chapter 4, Section 4 pp. 141-146. *Diversity of Mammals.*

What is the Quiz format?

There will be some multiple-choice questions, true/false, fill in the blank and some questions which require a short written answer. You will be provided with a word bank to help you with spelling. Good luck!

Here are the specifics!

1. Be familiar with the four characteristics all animals have in common.
2. What is an adaptation?
3. How is an autotroph different from a heterotroph?
4. Be familiar with at least 3 adaptations for how animals get food.
5. What characteristics are used to classify animals into phylum, class, order, family & species?
6. What needs must all animals meet in order to survive?
7. What is a vertebra?
8. How does the form of vertebrae serve its function in an animal with a backbone?
9. What is an exoskeleton?
10. What is an endotherm and what is an adaptation that helps animals with this process?
11. Be able to list and describe the five characteristics that all mammals share.
12. What is the major function of fur and hair in mammals?
13. What does a four-chambered heart do for a mammal survival in their environment?
14. How is feeding young milk an adaptation that ensures survival.
15. What are the three main groups of mammals?

16. Describe the differences in the development of the young of each group.
17. What is the function of the placenta?

Study Aides

- * Your textbook, Science Explorer: Animals
- * Your Animal Notes
- * Your *Ticket to the Quiz*

Ticket to the Quiz

You will need to hand in your "ticket" to show that you actively studied for the quiz. The ticket is **due on Tuesday, November 9th**. You must choose from one of the four options listed below. Read over the options carefully to make sure that your ticket fulfills the criteria in order to receive full credit. Be thorough and complete when addressing each item on the specifics list. Incomplete tickets will not receive full credit.

1. **Flash Cards** - Look over the items listed in the "specifics" section of this guide (#1-16). Your flash cards will need to cover items #1-16. You may find it useful to make more than one card for each item.
2. **A Concept Map** - Look over the items listed in the "specifics" section. Create a mega-concept map that includes all of the topics listed in #1-16. You may need to use large paper to fit all of the concepts on one page. Attached are the instructions for making a concept map. Note that a concept map is different from a mind map.
3. **A Written Summary of the Chapter** - Look over the items listed in the "specifics" section of this guide. Re-read the textbook and review the "what will the quiz cover?" section in this Information Guide for details. Last, take a look at the Chapter Study Guide for each section and review the key ideas listed for each section you were required to read. Now compile all the information into a written summary. Be sure to cover all the items listed in the "specifics" section of this guide.
4. **A List of Questions & Answers** - Using the items listed in the "specifics" section of this guide (#1-16) and all of the study aides listed above, create a list of possible quiz questions and include the corresponding answers. Be sure that your questions are specific and the answers you provide are complete and detailed. The questions & answers can be written on notebook paper or flashcards.

HOW TO MAKE A CONCEPT MAP

A concept map is different from mind mapping or brainstorming. As you construct the map it allows you to construct meaning and clarify your understanding of the information you are learning. A concept map also gives you the opportunity to link ideas to one another and begin to make bigger connections between ideas.

Use the following steps to help you create a concept map.

1. Read over the information in the specifics section of your Information Guide.
 2. Select the main idea. This is the concept that will be placed at the top of the hierarchy and the top of the page you write your map on.
 3. Select the important words or concepts that are related to the main idea. These concepts are usually nouns or adjectives. When you review each of the specifics items on the Information Guide you may find these words listed in the question or statement. In other cases you will need to think about the response to the question, which is the concept.
 4. List linking words which are important to the concepts. The linking words are usually action words (verbs) or a preposition.
 5. Rank the main idea words according to their hierarchy or importance.
 6. Write the highest ranking word at the top of the page and enclose in an ellipse.
 7. Write the second ranked concepts across the paper on the same level below the first. Enclose in an ellipse.
 8. Draw lines between concepts and write linking words on the lines.
 9. Check your work. Study your map and look for other connections.
- ★ You can use post-it notes to help you get organized in the beginning. Write the concepts on post-it notes and then rearrange them accordingly.