

Kingdom Animalia

The Invertebrates

Animals can be found almost everywhere. They live in very hot places and in very cold places. They live in the deep oceans and on high mountains. Some animals even live in the ground.

Animals are made up of many cells. Animal cells do not have a cell wall. Animals do not make their own food. They do not have chlorophyll in their cells. Animals must take in food from outside.

Animals are classified into two major groups. One group is made up of animals with backbones. The other group is made up of animals without backbones. Animals without backbones are called invertebrates. From what you know about the Kingdoms, label the six kingdoms on the inside of the pie chart below.



Directions:

Your teacher will show you a power point presentation about invertebrates. Fill in the blanks below with the information and then color the invertebrate on the pie chart.

Slide 2 What are the characteristics of invertebrates?

Invertebrates are animals without _____.

Slide 3 Sponges

Sponges live in the _____. They are attached to the _____ and cannot _____ around. Color the two sponges on the pie chart purple.

Slide 4 Cnidarians

Cnidarians have _____ with _____ cells to catch their _____. Color the sea anemone pink.

Slide 5 Flatworms

Flatworms have long, flat _____ bodies. Some are _____ while others are _____. A _____ is an organism that lives _____ another organism. Color the planarian yellow.

Slide 6 Roundworms

Most roundworms are _____. They get their food from _____ inside another _____. Color the roundworm orange.

Slide 7 Segmented Worms

Segmented worms have long _____ bodies that are divided into _____. Color the earthworm tan.

Slide 8 Mollusks

Mollusks have _____ bodies but many have _____. Color the snail and clam brown.



Slide 9 Echinoderms

Echinoderm means _____. They all live in the _____ and have an _____ skeleton. Color the sea star and feather star red.

Slide 10 Arthropods

Arthropod means _____. They have a hard outer covering called an _____. They have _____ bodies. They are the most _____ phylum of invertebrates. All of the rest of the invertebrates on the pie chart are arthropods. Color them blue.

Watch the video Classification of Animals from www.missdoctorbailer.com. Write three things you learned about invertebrates below.

Questions:

- 1. Which phylum has mostly parasitic members? _____
- 2. Which phylum has spiny skin? _____
- 3. Which phylum of invertebrates has the most members? _____
- 4. Name some of the members of that phylum. _____
- 5. Why do you think they have been so successful? _____

Invertebrates

R O U N D W O R M V E S F F L X G Z A N
Z E U N J K K L R N I A E A A I N I A M
D O N R Z E V T G E D A R T S O A I Y O
K R U O Y O F T V C T X O T T R R N Z L
S Q P G M H U N S H G Y W H H A B I S L
N E I G X E U X E I S K S Z N W C Q H U
Q D G U F W N R P N G T B A D L O T M S
T E G M F B S A Y O Z C L H T H F R E K
Z H G S E T E S A D F P P D Z B F Z M S
R O B M A N R K G E O O S W Q V L Z P K
Q X N R T V T X I R S U G K Y A N W S K
W X W O P K C E E M Z O F R A T S A E S
L T T W Z D Z J D S O O J P D B J F R O
W Y A T H T K G T W X J H E J A P W S V
P K Y A G L Y O Y X O B Y T X B B P J O
T G F L Z U K H N G C R J C L E O M V A
L T Y F H M V A Z V N J M B G N K L R H
D D J S N A I R A D I N C S G D U O D D
K H O J J L S Q Z D Y Q I E K M D Q G R
N W S B O C T M Y I Z A S R L D S O E C

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|-------------|-------------|-----------------|
| Clam | Cnidarians | Earthworm |
| Echinoderms | Flatworms | Feather Star |
| Mollusks | Planarian | Roundworm |
| Snail | Sea Anemone | Segmented Worms |
| Sponges | Sea Star | |



Name _____ period _____

EXIT TICKET

The Invertebrates

1. To which kingdom do invertebrates belong?

- A. Plants
- B. Fungi
- C. Animals

2. What characteristic do all invertebrates share?

- A. They do not have a backbone
- B. They all live in the ocean
- C. None of them have cells

3. Which invertebrate phylum has the most members?

- A. Echinoderm
- B. Arthropod
- C. Sponge

4. A student stepped on a grasshopper and heard a “crunch”. He then remarked, “I must have crushed a lot of bones!” What is wrong with his statement?

- A. A grasshopper has only two bones.
- B. A grasshopper is an invertebrate and doesn’t have bones.
- C. A grasshopper wouldn’t crunch if you stepped on it.



Name _____ period _____

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