Four types of teeth: incisors, canines, premolars, molars

Instructions: Circle and label each of the 3 main tooth types: using I for incisors, C for canines, M for molars



Each tooth type is shaped to reflect a specific function.

Match the functions with the appropriate tooth type (below).

Incisors

Molars

Canines

Crushing and Grinding

Cutting and Breaking

Tearing and Ripping

Omnivore, Herbivore or Carnivore? Compare the teeth of the following three mammals. Describe the most prominent diagnostic feature that supports your hypothesis. Which tooth type (incisors, canines, modified premolars, molars) are most specialized (reflecting diet)?



Omnivore, Herbivore or Carnivore? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Diagnostic Feature(s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Hypothesized diet: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Animal Guess:



Omnivore, Herbivore or Carnivore? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Diagnostic Feature(s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Hypothesized diet: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Animal Guess:



Omnivore, Herbivore or Carnivore? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Diagnostic Feature(s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Hypothesized diet: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Animal Guess:

Compare the teeth of the following three omnivores. Omnivore molars have large flat surfaces for grinding food. Canines can be equal in size to other teeth or slightly larger depending on diet.

Which skull belongs to whom? Identify the skull of the bear, dog and pig.



**\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_**

**Carnivores (meat eaters) have specially adapted teeth for cutting and shearing meat, called *carnassial teeth.*** Which of the three mammals uses carnassial teeth for cutting apart their prey? Carnassial teeth are especially prominent in one of the animals above. Circle the teeth.

Carnassials are odified pre-molars. Elongated like scissor blades.

Four types of teeth: incisors, canines, premolars, molars

Instructions: Circle and label each of the 3 main tooth types: using I for incisors, C for canines, M for molars



Each tooth type is shaped to reflect a specific function.

Match the functions with the appropriate tooth type (below).

Incisors

Molars

Canines

Crushing and Grinding

Cutting and Breaking

Tearing and Ripping

Omnivore, Herbivore or Carnivore? Compare the teeth of the following three mammals. Describe the most prominent diagnostic feature that supports your hypothesis. Which tooth type (incisors, canines, modified premolars, molars) are most specialized (reflecting diet)?



Omnivore, Herbivore or Carnivore? \_\_\_\_\_\_CARNIVORE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Diagnostic Feature(s): SHARP TEETH, LARGE CANINES, JAW FOR RIPPING AND TEARING

 Hypothesized diet: SMALL RODENTS, BIRDS, BERRIES, CARRION, LIZARDS, SNAKES, ETC.

 Animal Guess: SKUNK



Omnivore, Herbivore or Carnivore? \_\_\_\_\_\_OMNIVORE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Diagnostic Feature(s): \_LARGE INCISORS, NO CANINES, FLAT MOLARS FOR GRINDING

 Hypothesized diet: \_\_\_WILD GRASSES, BERRIES, INSECTS, SMALL MAMMALS, NUTS\_

 Animal Guess: WOODCHUCK (GROUNDHOG)



Omnivore, Herbivore or Carnivore? \_\_\_\_HERBIVORE (BROWSER)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Diagnostic Feature(s): \_\_NO CANINE TEETH, FLAT MOLARS FOR GRINDING\_\_\_\_\_\_\_

 Hypothesized diet: WILLOW AND BIRCH SHOOTS, AQUATIC PLANTS, GRASSES, LEAVES

 Animal Guess: MOOSE

Compare the teeth of the following three omnivores. Omnivore molars have large flat surfaces for grinding food. Canines can be equal in size to other teeth or slightly larger depending on diet. Note the modified premolar carnassial teeth in the dog and bear.

Which skull belongs to whom? Identify the skull of the bear, dog and pig. Circle the prominent carnassial teeth.

Which of the three mammals uses carnassial teeth for shearing and cutting meat?



**Bear Dog Pig**