

Animal digestion and nutrition

Review for digestive system deck - teacher

Monogastric digestive system

1. What is “mastication?” **Chewing**
2. What is “prehension?” **Grasping food**
3. What is “peristalsis?” **Wave-like contractions that push food through the system**
4. What are the three parts of the small intestine? **Duodenum, jejunum, ileum**
5. What does the liver do? **Creates bile to help digestion**
6. What does the gall bladder do? **Temporary storage of bile**
7. What does the pancreas do? **Release hormones in endocrine system and release pancreatic juice in digestive system**

Avian digestive system

1. What does prehensile mean?
 - a. To eat
 - b. To seize or grasp
 - c. To swallow
2. What is the prehensile action in birds? **Pecking with bill or beak**
3. Compare gizzards with teeth. **The gizzard grinds the food to increase surface area so it can be digested. Teeth grind food so it can be swallowed and increase the surface area for digestion. Teeth found in the mouth; gizzard is between the stomach and the small intestine.**
4. What is the difference between the proventriculus and ventriculus or gizzard? **Proventriculus breaks down food with hydrochloric acid and enzymes; ventriculus or gizzard grinds food to make it available for absorption**
5. The duodenal loop surrounds the _____ . **Pancreas**
6. What is the function of the ceca? **Absorb water and provide fermentation to release nutrients**
7. What is the function of microflora? **Similar to probiotics; aid in digestion**
8. What is the function of the cloaca or vent? **To eliminate waste; in hens where eggs exit**

Ruminant digestive system

1. How many parts does the stomach of a ruminant have? **Four**
2. What is the name of the largest compartment of the stomach in ruminants? **Rumen**
3. What does the esophagus in ruminants allow for? **Two-way travel of food to and from the stomach**

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4. The first and third compartments of the stomach (forestomach) allow for what action(s)? ***Aid digestion through microbial fermentation; microbes help break down fibrous material***
5. The reticulum helps to _____ food and pump food back up through the _____. ***mix; esophagus***
6. What is the function of the omasum? ***Grind and squeeze feed***
7. How is the abomasum similar to the stomach of other mammals? ***Bile is added and enzymes and mucus added to break down foods***

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