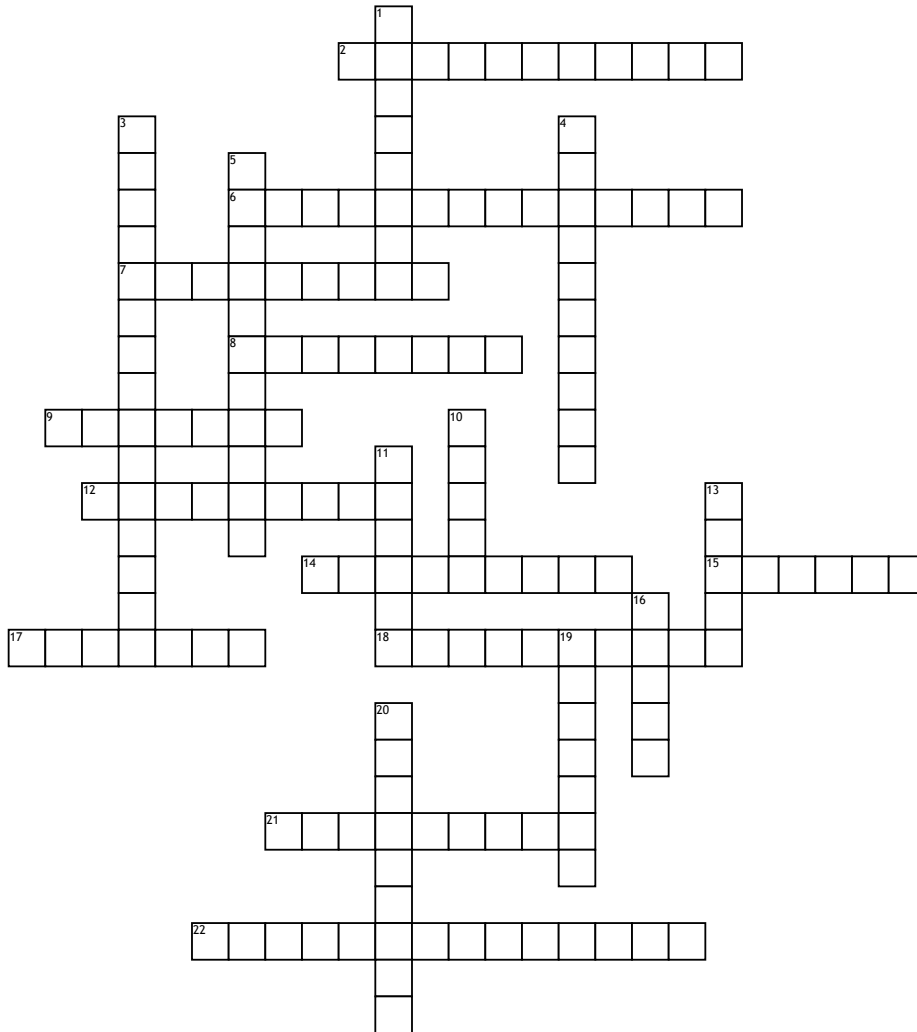


Digestive System and Nutrition



Across

- 2. pear shaped organ just below the liver where bile is stored
- 6. includes the cecum, colon, rectum, and anal canal
- 7. second layer in the GI tract that carries nutrients
- 8. a required component of food that performs a physiological function in the body
- 9. being significantly overweight
- 12. to break down using water
- 14. muscular tube that moves food to the stomach
- 15. inner layer of the wall next to the lumen that produces mucus that protects the GI tract

- 17. thick-walled; j-shaped organ that lies on the left side of the body beneath the diaphragm
- 18. occurs as subunit molecules produced by chemical digestion cross wall of GI tract
- 21. breakdown of larger pieces of food into smaller pieces that can be acted on by digestive enzymes
- 22. named for its small diameter; very long (about 18ft)

Down

- 1. fish-shaped; spongy; grayish-pink organ that stretches across the back of the abdomen
- 3. organs of this system are located in a tube called the GI tract

- 4. third layer of GI wall that contains smooth muscle
- 5. removes molecules that cannot be digested and need to be discharged from the body
- 10. AKA oral cavity-receives food and begins process of digestion
- 11. fourth and outermost layer which secretes lubricating fluid
- 13. in the GI tract-central space that contains food being digested
- 16. the largest gland in the body; "sewage treatment plant;" removes toxins
- 19. hollow space at back of throat
- 20. occurs when the mouth takes in food

Word Bank

- | | | | | |
|-----------------|-----------------|-----------|------------------|-----------|
| submucosa | nutrient | stomach | absorption | lumen |
| small intestine | muscularis | mouth | serosa | hydrolyze |
| liver | mucosa | digestion | digestive system | pancreas |
| esophagus | large intestine | pharynx | elimination | ingestion |
| obesity | gall bladder | | | |