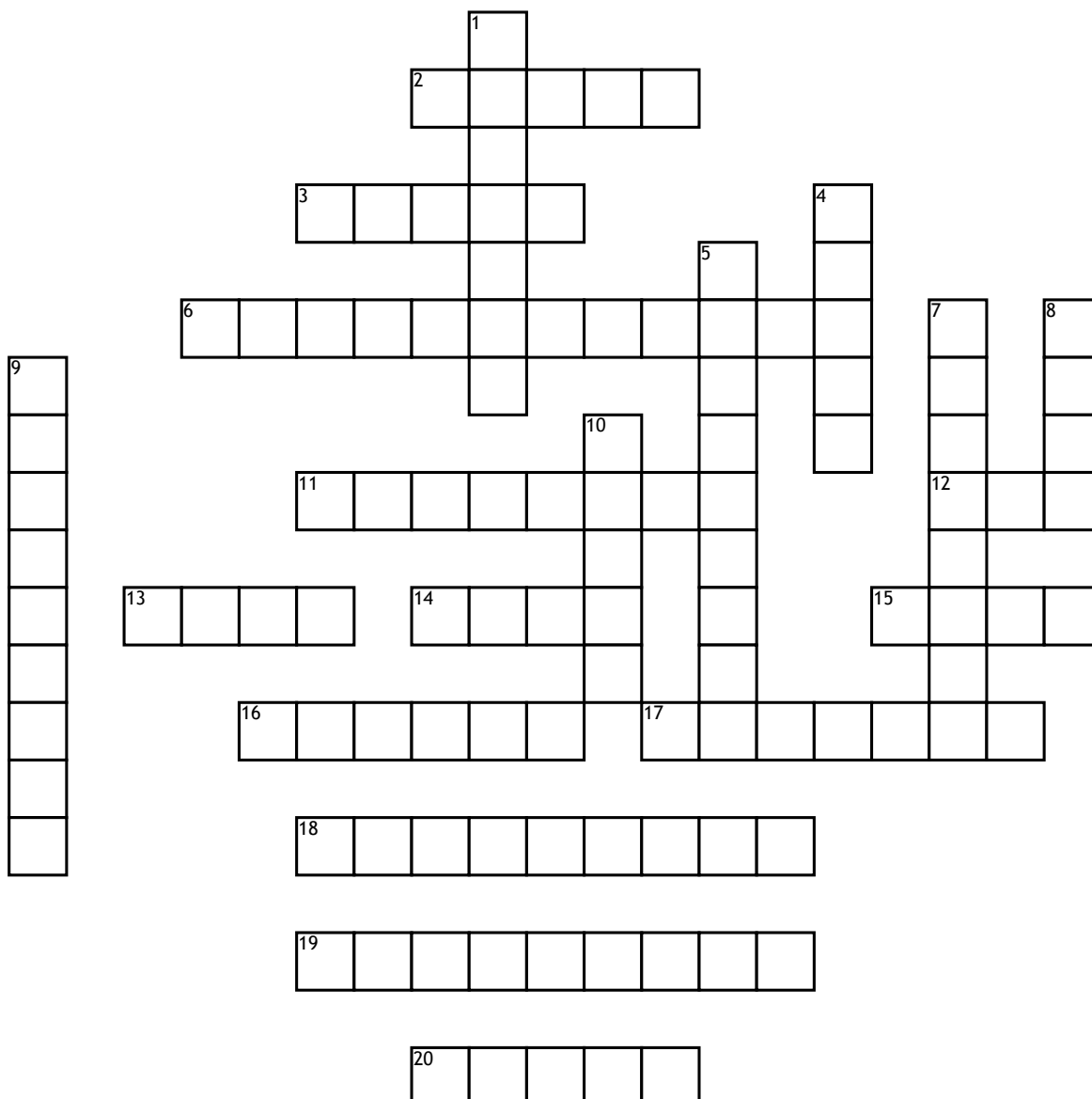


Advanced livestock nutrition



Across

2. Largest gland in the body; stores vitamins, iron and glycogen
 3. First compartment of the stomach of a ruminant animal where food is collected and returned to the mouth
 6. How well the animal will accept feed
 11. Regulates metabolism and maintenance for normal growth and functioning
 12. Food if a ruminant regurgitated to be chewed again
 13. Mixture of food and drink available for an animal which provides nutrients
 14. Outer covering of the seed or fruit
 15. Thick yellowish digestive fluid aiding in the digestion of fats

16. Third compartment of a ruminant animal; acts as type of pump which moves food from the reticulorumen to the true stomach
 17. Proteins which increase the rate of chemical reactions
 18. Substances or chemical compounds required by an animal for productive purposes; essential for life
 19. Carrying of an embryo or fetus inside a female animal
 20. Mass of food and saliva formed in the mouth after thorough chewing

Down

1. Needed for digestion; to form skeletal structures and in metabolic processes within the body
 4. Partially digested mass of food from the stomach which is forced into the small intestines

5. Process by which food is converted into substances which can be absorbed into the body
 7. Glands which secrete their products through ducts and discharges them into the external environment, to organs or outside the body
 8. Grains and by-products fed to animals
 9. Substances added to food to preserve flavor or improve taste and appearance
 10. Small outgrowths in the mucous membrane of the small intestines which serves in the absorption of nutrients