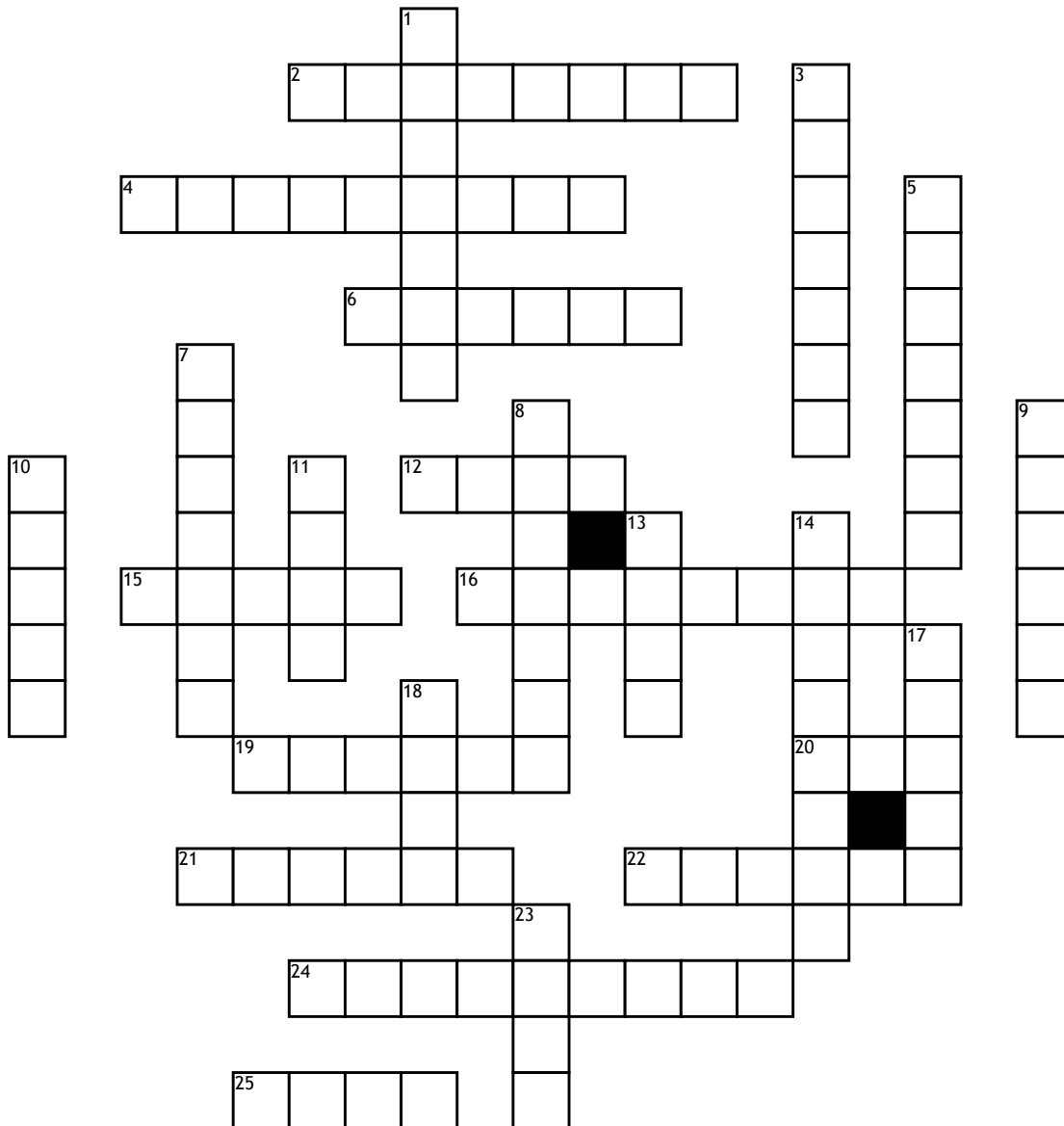


Sheep Parts and Color Genetics



Across

2. the area of the head just below the area where one might find horns or scurs
 4. the fourth of the four BASE loci, can cause pigment to create a solid black or brown sheep in spite of the genes at the A locus
 6. a castrated male sheep
 12. the top of the head where one could find horns or scurs
 15. the color base if a lamb's genotype at the B-locus is B+B_
 16. the gene pair at a particular locus that determine the expression of that particular trait
 19. a typically wool-free area just behind the front legs or just forward of the rear legs
 20. the maximum number of functional teats of any one ewe
 21. the opposite of polled

22. the front leg between the knee and the fetlock

24. the set of observable characteristics of an individual due to the interaction of its genotype with the environment

25. the area just forward of the poll and above the rear legs

Down

1. the chest or breast
 3. the part of the foot between the fetlock and the hoof
 5. the _____ allele is the allele at a particular genetic location that is most obvious in the phenotype
 7. a pair of much smaller toes up the leg from the main hoof and similar in structure to the hoof, although they never touch the ground
 8. "genes," one of two or more possible forms of a gene that can be found at the same place on a chromosome

9. the second of the four BASE loci that determine wool color and shade - the _____ locus, which determines pattern
 10. the color of the wool of a Romeldale if its genotype at the agouti locus is AwtApbl
 11. the shortened tail of a sheep
 13. the central joint of the rear leg that allows the rear hoof to bend forward and up towards the belly
 14. the third of the four BASE loci that determine sheep color and shade, also called the S-locus
 17. the color base of a lamb if its genotype at the B-locus is BbBb
 18. the central joint of the front leg that allows the hoof to bend back and up towards the belly
 23. found on the forward end of each toe, it is strengthened by a thick, horn-like covering that offers protection