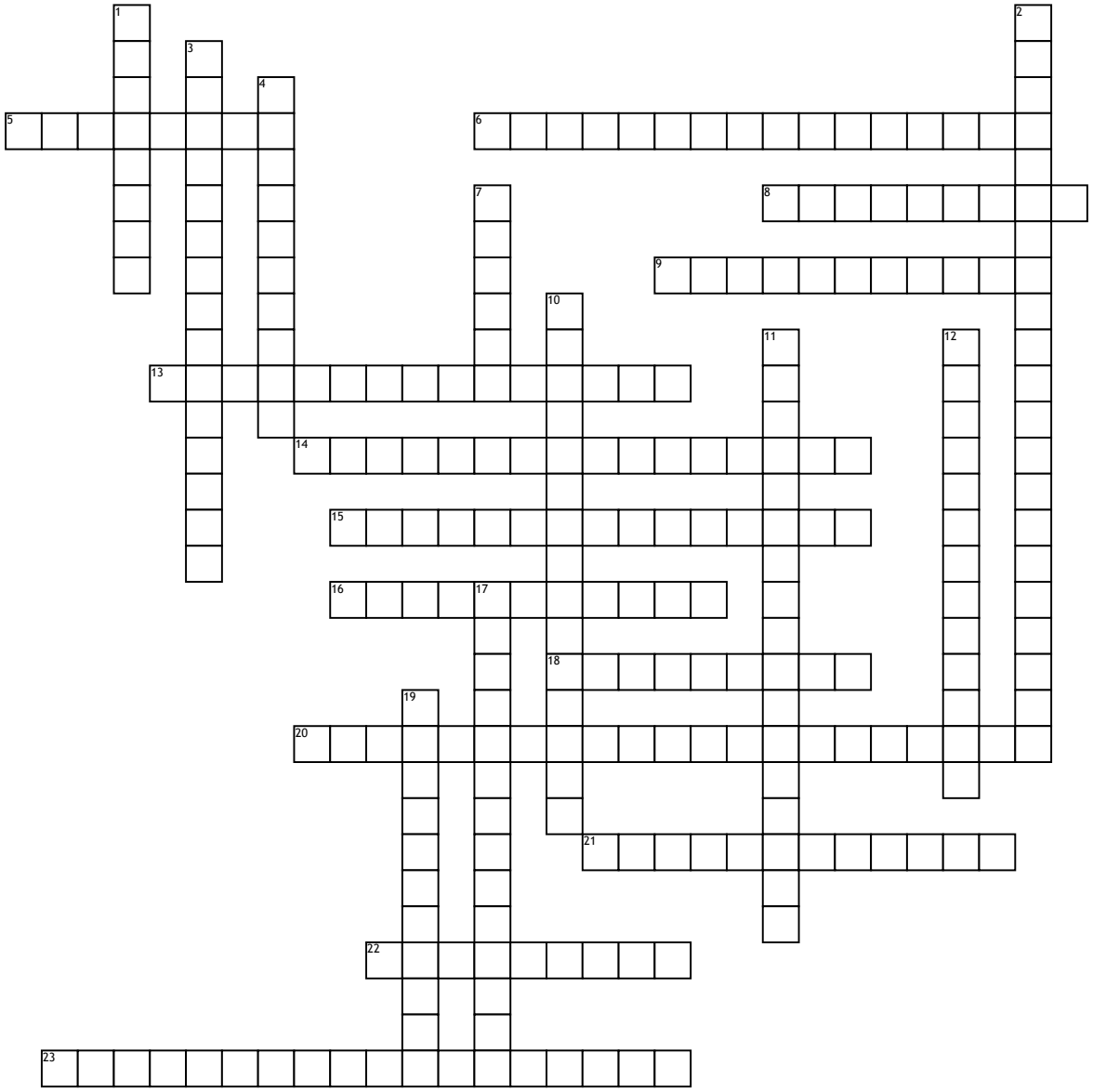
Name: _____ Date: _____

Tooth Development



Across

5. Stage of tooth development that involves proliferation and differentiation. The Enamel organ, dental papilla, and the dental sac will form during this stage

6. Separates the oral epithelium and the ectomesenchyme

8. Extra cusps that may appear on teeth

9. Abnormally small teeth

13. Stage of tooth development where enamel, dentin and cementum matrix are laid down

14. The ectomesenchyme is influenced by what cells?

15. The first stage of tooth development

16. Abnormally large teeth

18. Will eventually become the mouth

20. The outer cuboidal cells of the enamel organ that protect the rest of the enamel organ

21. The oral epithelium grows into the ectomesenchyme to form the:

22. Stage of tooth development including proliferation, differentiation and morphogenesis

23. Inner-mid layer of compressed-flat cuboidal cells that support the ameloblasts

Down

1. Stage of tooth development that occurs in the 8th week of prenatal development known for the extensive proliferation of the dental lamina into oval masses that penetrate into the ectomesenchyme

2. Innermost tall columnar cells of the enamel organ that will differentiate into ameloblasts

3. The faulty development of enamel

4. When a single tooth germ tries to divide into 2, but is unsuccessful and creates one large single-rooted tooth with a common pulp cavity

7. 2 adjacent tooth germs join together which creates one broader tooth

10. Stage of tooth development where enamel. Dentin, and cementum are mineralized

11. Outer-mid layer of enamel organ that has star-shaped cells in many layers, helps to support the ameloblasts

12. Another word for tooth development

17. 2 horseshoe-shaped bands that will eventually become the mandibular and maxillary arches

19. developmental disturbance where the enamel organ may invaginate into the dental papilla