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| **Name:** |
| Kimberly Padron |
| **Group:** |
| 1A-5 |
| **Basic Science Question:** |
| What is the periodontium? |
| **Report:** |
| The periodontium is a functional support system of tissues that surrounds the teeth attaching them to bone. It is formed by four main tissues: gingiva, cementum, periodontal ligament, and alveolar bone. Cementum is a calcified tissue that surrounds the roots of the tooth. The periodontal ligament is a fibrous tissue that suspends the tooth keeping it in its socket. The periodontal ligament protects the neurovasculature of the tooth and connects the cementum to the alveolar bone. Alveolar bone forms the sockets for teeth. The gingiva covers the bone. The periodontium holds the teeth in position securely and allows the teeth to withstand the forces of mastication. |
| **References:** |
| Cope, Graham, and Anwen Cope. “The Periodontium: an Anatomical Guide.” *Dental Nursing*,  vol. 7, no. 7, 2011, pp. 376–378., doi:10.12968/denn.2011.7.7.376.  I., U. Madukwe. “Anatomy of the Periodontium: A Biological Basis for Radiographic  Evaluation of Periradicular Pathology.” *Journal of Dentistry and Oral Hygiene*, vol. 6,  no. 7, 2014, pp. 70–76., doi:10.5897/jdoh2014.0119. |