ZOOLOGY: MAMMAL REVIEW

1. Describe the location, structure and function for the following **teeth types**:

TEETH LOCATION STRUCTURE FUNCTION

**Molars:**

**Canines:**

**Incisors:**

**Premolars**

2. Describe the relationship between body size on **gestation period** in **placental mammals**. Give supporting examples.

3. How have the **marsupials** been able to overcome a very short gestation period?

4. How is the **mammalian heart** similar to that of bird? What are the advantageous of this feature?

5. create a venn diagram, comparing and contrasting **monotremes** and **placental** mammals.

6. Mammals are **tetrapods**. What feature does this term refer to? How is it that amongst mammals, there are so many variations on this feature. Include **divergent evolution** in your answer.

7. Describe the location and structure of the **diaphragm**. What is the value of a **diaphragm** to mammals?

8. What is the function of the **mammary glands**?

9. Define **Endothermic**.

10. Which mammalian features aid in achieving endothermy?

11. Which order of mammals have a **cloaca**? What is its function?

12. If mammals are endothermic, why do some hibernate through winter?

13. You have been commissioned by a heavily populated city to reduce the rapidly increasing rat population. Explain, focusing on 3 organ systems, why your task will be difficult.