

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Class: \_\_\_\_\_

## Bone Transplant Quiz

1. Where is a bird's femur located?
  - A. wing
  - B. thorax
  - C. leg
  - D. skull
2. Are bird bones *more or less* dense than human bones?
3. Describe what causes birds to have bone density that is different from humans.
4. Why do birds need to have a bone density that is different from humans?
5. *True or False?* 3D printing is useful for creating industrial parts, but is not very useful in the medical field.
6. *True or False?* 3D printers only use different types of plastic filament to create objects.
7. How would you calculate the density of an object that has an irregular shape?
8. Describe how engineers use the steps of the engineering design process to create new products.
9. What types of products might biomedical engineers be involved in designing?