

Name _____

Anatomy and Physiology

Knee Replacement Surgery Assignment – Skeletal System

Note: You will need headphones to complete this activity.

Please visit the website located at <http://www.edheads.org/activities/knee/> and follow the tutorial for virtual knee replacement surgery. Copy and paste this assignment into Word first, and then answer the following questions as you complete the knee replacement activity. Print and submit or email the completed assignment to Mrs. Michaelsen by the assigned due date.

1. Which knee needs surgery?
2. What did you do with the marker?
3. What is the tourniquet use for during the surgery preparation?
4. What was the purpose of the perpendicular lines drawn on the leg?
5. What does the Bovie tool do?
6. What is the function of the jigs used on the femur and tibia?
7. Why do you think there are so many steps taken to ensure proper knee alignment?
8. At the conclusion of the replacement surgery, what layers do you suture first?
9. What is the difference between using sutures and staple when closing the incision?
Which one do you think is the preferred choice?
10. How long is this patient going to remain in the hospital?
11. Be sure to look at the actual surgery pictures when you are finished with the virtual knee replacement questions and assignment.