Name: _____ EID: _____

Topic: Cloning

Pre-discussion questions. Answer briefly. Use only the space provided.

1) Briefly describe how Dolly the sheep was cloned. What was the major advance in the Wilmut et al. paper from previous work? Which of the three donor cells types was her "parent"?

2) What do SCNT and iPSC stand for? How are these cloning techniques different?

3) What is a potential ethical issue with cloning?

4) What is the purpose of therapeutic cloning? Give an example of how a specific human disease could be treated by using therapeutic cloning.

5) Dolly was the name of the first cloned sheep. Provide the real name for the first cloned animal of a different species or invent a fictional one. In class, we will try to guess whether your answer is fictional or real. (Please, be ready to provide a source for real names.)

   Cloned species: _____ Name: _____