How and why are animals cloned?

1. Define the term "reproductive cloning" and indicate how a cloned animal differs from a transgenic animal.

2. Describe the steps that were used in cloning Dolly the sheep; what is "nuclear transfer?"

3. Give several examples of animals that have been cloned, and discuss the potential benefits of reproductive cloning.

4. Discuss the prospects for reproductive cloning of humans; do biologists approve of this procedure?

5. Explain the difference between the use of human embryos for reproductive cloning vs. therapeutic cloning; what are some potential benefits of the latter procedure?