

EBT unit 1 Study Guide

1. Biotechnology is the merging of _____ and _____.
2. Animals engineered for specific traits or for producing pharmaceuticals are called _____.
3. Identify 3 or 4 common items you may find at home (not necessarily new things) produced via biotech.

4. What is an enzyme often used for in biotech? Enzymes are used to _____ and _____ DNA.
5. Moving a gene from one organism and expressing it in another is referred to as _____.
6. (TRUE/FALSE) Healthcare is the largest sector of Biotechnology.
7. Identify the 6 common lab notebook entry HEADINGS:

8. Tell me about the first successfully cloned mammal: _____

Acronyms		
MSDS =	PPE =	GMO =
EPA =	SOP =	FDA =
OSHA =	GLP =	

Vocabulary:

- ★ Bioinformatics:
- ★ Clinical Trials:
- ★ Contamination:
- ★ Density:
- ★ Full Compliment:
- ★ Genetic Engineering :
- ★ Genomics:
- ★ Industry:
- ★ Metabolomics:
- ★ Microbial:
- ★ Microcentrifuge:
- ★ Molecules/Atoms:
- ★ Nanotechnology:
- ★ Novel:
- ★ Patent:
- ★ Pellet:
- ★ Pharming:
- ★ Precipitate:
- ★ Proteomics:
- ★ Recombinant Protein:
- ★ Transcriptomics:

LAB Skills & Such

- Order 6 base steps of DNA extraction and Precipitation
- Order 5 Base Steps of using Transfer Pipets, Serological Pipets and Electronic Balance.
- Understand the mechanics of centrifuge operations and counterbalancing the rotor.