**Biotechnology Spring Performance Review—KEY**

1. 
2.  **The left column shows the base pair length. Undigested shows a big “clump” at the top; no individuals bands**
3. **Enzymes; protein catalysts which mostly end with –ase**
4. **Pectinase**
5. 
6. 
7. **Protein—TRIS buffer Agarose—TAE buffer**
8. **Polyacrylamide gels**
9. **Amino acids**
10. 
11. **Denaturation—melts the two strands of DNA**

**Annealing—oligonucleotides prime their complimentary base pairs**

**Extension—adds nucleotides one at a time**

1. **1st Denaturation, 2nd Annealing, 3rd Extension**
2. **Define using notes, google, online dictionary, etc. For acronyms, be able to tell what the letters stand for in the acronym name.**