

**YOUR success is going to depend on how much you study for this test! This is a shorter test, but it covers the unit very well! BE PREPARED!!!**

### Evolution Review:

1. Who is the father of evolution?
2. What is evolution?
3. What is natural selection?
4. What is natural selection?
5. What is an adaptation?
6. What is a variation?

**List all of the pieces of evidence that back evolution?**

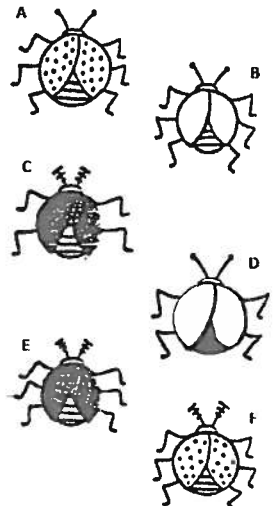
6. What is a fossil and what is fossil record?
7. What are homologous structures? What would be an example?
8. When a fox changes color for the winter or a finch has a different beak in order to eat specific food– this would be called:
9. A giraffe has a long neck in order to reach a food source high up in the trees – this would be an example of Physical or Behavioral Adaption?
10. A bear hibernates over the winter since food is very scarce – this would be an example of Physical or Behavioral Adaptation?

**Classification Review:**

1. Identify the name of the Lady Bug labeled C to the right:
2. What two kingdoms have organisms that are prokaryotic?
3. What four kingdoms have organisms that are eukaryotic?
4. Who is Linnaeus?

### Lady Bug Dichotomous Key

1. a. If the lady bug has feather like antennas....go to 2  
b. If the lady bug has knob antennas.....go to 4
2. a. Spotted wings present..... *Ladea ashley*  
b. Solid wings present..... go to 3
3. a. Has six legs.....*Ladea kaley*  
b. Has 4 legs.....*Ladea jessica*
4. a. Solid abdomen present.... *Ladea elena*  
b. Stripes on abdomen.....go to 5
5. a. Spotted wings.....*Ladea rachel*  
b. Solid wings.....*Ladea allison*



5. List the 8 levels of classification in order from most general to the most specific.

1. –

2. –

3. –

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4. –

5. –

6. –

7. –

8. –

6. How do you remember the levels of classification? What is your mnemonic?