Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**DNA Quiz**

**Short Answer**

1. There are \_\_\_\_\_ different nitrogen bases found in DNA.
2. The national database of DNA that stores profiles from convicted offenders, unsolved crime scene evidence, and profiles of missing persons is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. DNA evidence should be packaged in a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ bag or well-ventilated box.
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a technique used for making many copies of a specific piece of DNA.
5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DNA is only inherited from the mother.
6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ always bonds to thymine and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

always bonds to cytosine in DNA.

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are less susceptible to degradation and can be recovered from badly decomposed circumstances.
2. A dried blood stain must be removed by using a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**True or False**

1. \_\_\_\_\_\_\_\_\_\_\_ Always photograph evidence before collecting it.
2. \_\_\_\_\_\_\_\_\_\_\_ The PCR technique can make many, many copies of DNA.