

Name \_\_\_\_\_ Date Due \_\_\_\_\_

## Homework 3 – Starch, Glucose and DNA

1. Foods that contain starch turn iodine from blue to black. Foods that contain glucose turn Benedict's Solution from clear blue to cloudy orange. Complete the table.

<b>Food</b>	<b>Contains Starch or glucose?</b>	<b>Turns iodine solution black?</b>	<b>Turns Benedict's solution cloudy orange?</b>
Potato	Starch only	yes	no
Jelly	Glucose only		
Rice	Starch only		
Lettuce	Starch and glucose		
Lucozade	Glucose only		
Pasta	Starch only		
Bread	Starch only		
Oranges	Glucose only		
Beans	Starch and glucose		

2. What is DNA and how could DNA evidence be used to solve a crime?

3. Do you think it is right to keep a “library” of the DNA of every human? Why/why not?