

A decorative border of small black bird silhouettes surrounds the entire page. The birds are arranged in a repeating pattern along the top, bottom, and sides.

U-DESIGN DNA EXTRACTION LAB & QUESTIONS

Names \_\_\_\_\_

Problem: \_\_\_\_\_

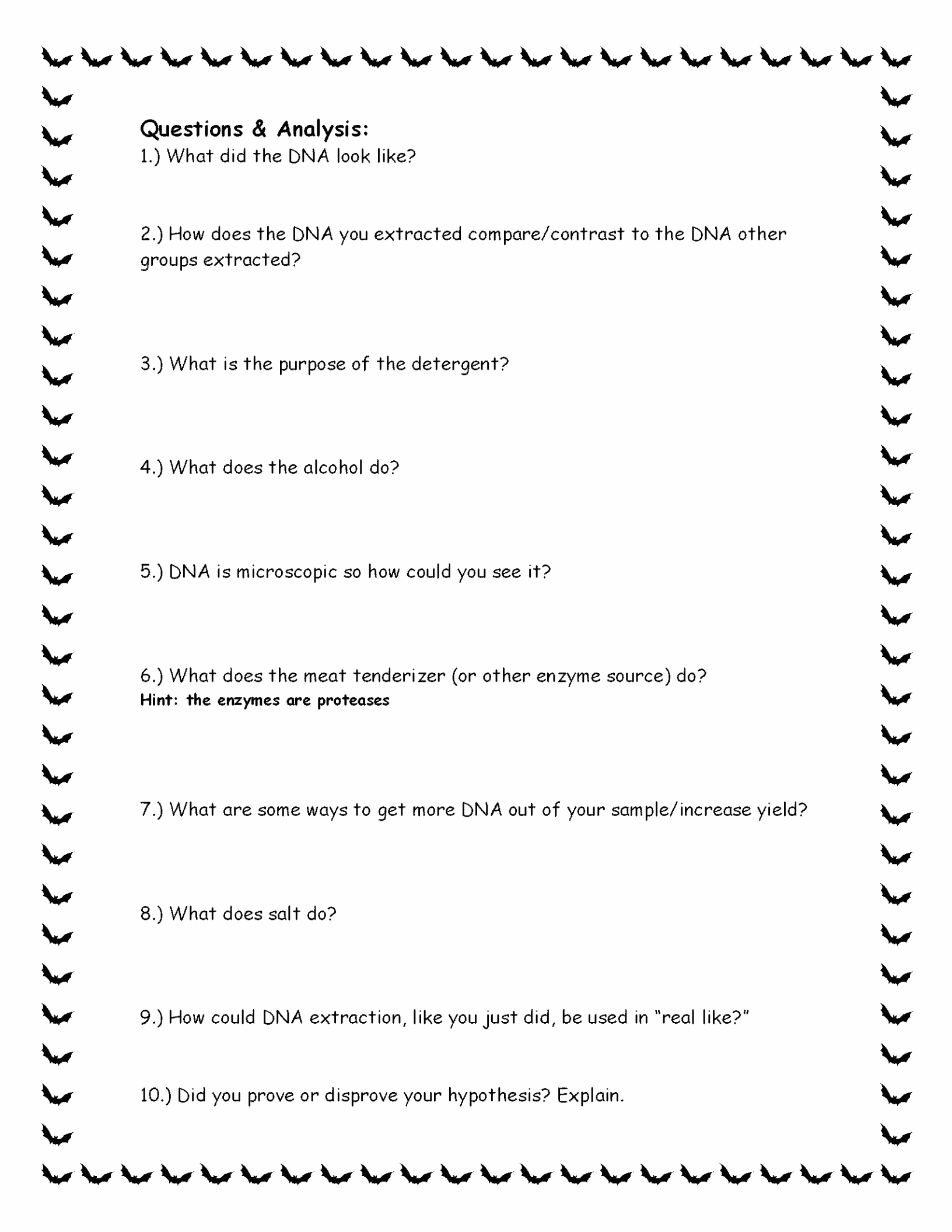
\_\_\_\_\_

Hypothesis: \_\_\_\_\_

\_\_\_\_\_

Materials:

Procedure:

A decorative border consisting of a repeating pattern of small black bird silhouettes, arranged in a rectangular frame around the page.

### Questions & Analysis:

1.) What did the DNA look like?

2.) How does the DNA you extracted compare/contrast to the DNA other groups extracted?

3.) What is the purpose of the detergent?

4.) What does the alcohol do?

5.) DNA is microscopic so how could you see it?

6.) What does the meat tenderizer (or other enzyme source) do?

**Hint: the enzymes are proteases**

7.) What are some ways to get more DNA out of your sample/increase yield?

8.) What does salt do?

9.) How could DNA extraction, like you just did, be used in "real life?"

10.) Did you prove or disprove your hypothesis? Explain.