

## Wood Data: Percent Change

Name \_\_\_\_\_

Answer the questions below using complete sentences where necessary.

- 1) What type of wood is your sample?

Answers will vary.

- 2) What percent change did you find in your wood samples? Show your calculations.

- a) Percent Change (Painted wood)

Answers will vary depending on data collected. Make sure student calculations are correct.

- b) Percent Change (Unpainted wood)

Answers will vary depending on data collected. Make sure student calculations are correct.

- 3) Compare the percent changes. Why do you think they are the same/different?

The unpainted sample should have the larger percent increase in weight. Students should state that they are different because one sample is painted and one sample is not painted.

- 4) Do you think painting the wood had any effect on water absorption? Justify your answer.

Students should reason that the paint is acting as a barrier.