

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

What will happen if we add 50ml of water to our sodiumpolyacrylate?

1. Physical properties of water

2. Physical properties of sodiumpolyacrylate

3. Write your hypothesis:

4. Place the empty container on the scale and push "Tare". Then weigh your container with the substance inside. What is the weight of your sodiumpolyacrylate? \_\_\_\_\_

5. Place the empty test tube on the scale and push "Tare". Then weigh your test tube with the water inside. What is the weight of your water? \_\_\_\_\_

6. Mix the water and the sodiumpolyacrylate together in the bowl. Record your observation (describe what happened):

6. Place the empty bowl on the scale and push "Tare". Then weigh your bowl with the substances inside. What is the total weight of your water and sodiumpolyacrylate? \_\_\_\_\_

Does it match the weight of each individual item added together? \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_ Yes or No

7. Was your hypotheses correct?

8. Do you think what happened was a physical change or a chemical change, and why?

Substance(s) _____ _____ Physical Change or Chemical Reaction Why? _____ _____ _____	Substance(s) _____ _____ Physical Change or Chemical Reaction Why? _____ _____ _____
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