

## Build Your Own “Insulin Capsule”

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Name(s):

Date:

### **Instructions:**

Using your knowledge about the different types of insulin, create different types of capsules.

### **Materials:**

Bath bombs, water, tissue paper, zipper bags, & anything else you can find!

### **Scenario 1:**

Create a rapid acting capsule with an onset of 15 seconds and a duration of 3 minutes

1. Draw a sketch of your capsule & explain how it works
2. Test your capsule
3. Record the onset, duration, and peak time of your capsules
4. Explain how you would improve your capsule and why?

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### **Scenario 2:**

Create an intermediate acting capsule with an onset of 3 minutes and duration of 3 minutes

1. Draw a sketch of your capsule & explain how it works
2. Test your capsule
3. Record the onset, duration, and peak time of your capsules
4. Explain how you would improve your capsule and why?

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**Scenario 3:** [Teacher or student to define the parameters]

Create a ---- with an onset of ---- and duration of ----

1. Draw a sketch of your capsule & explain how it works
2. Test your capsule
3. Record the onset, duration, and peak time of your capsules
4. Explain how you would improve your capsule and why?

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**Scenario 4:** [Teacher or student to define the parameters]

Create a ---- with an onset of ---- and duration of ----

1. Draw a sketch of your capsule & explain how it works
2. Test your capsule
3. Record the onset, duration, and peak time of your capsules
4. Explain how you would improve your capsule and why?