

# Reactions and Rates 1

## Clicker Questions

### Activity 1:

### Introduction to reactions

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[PhET Activity](#)

# Learning Goals

Students will be able to:

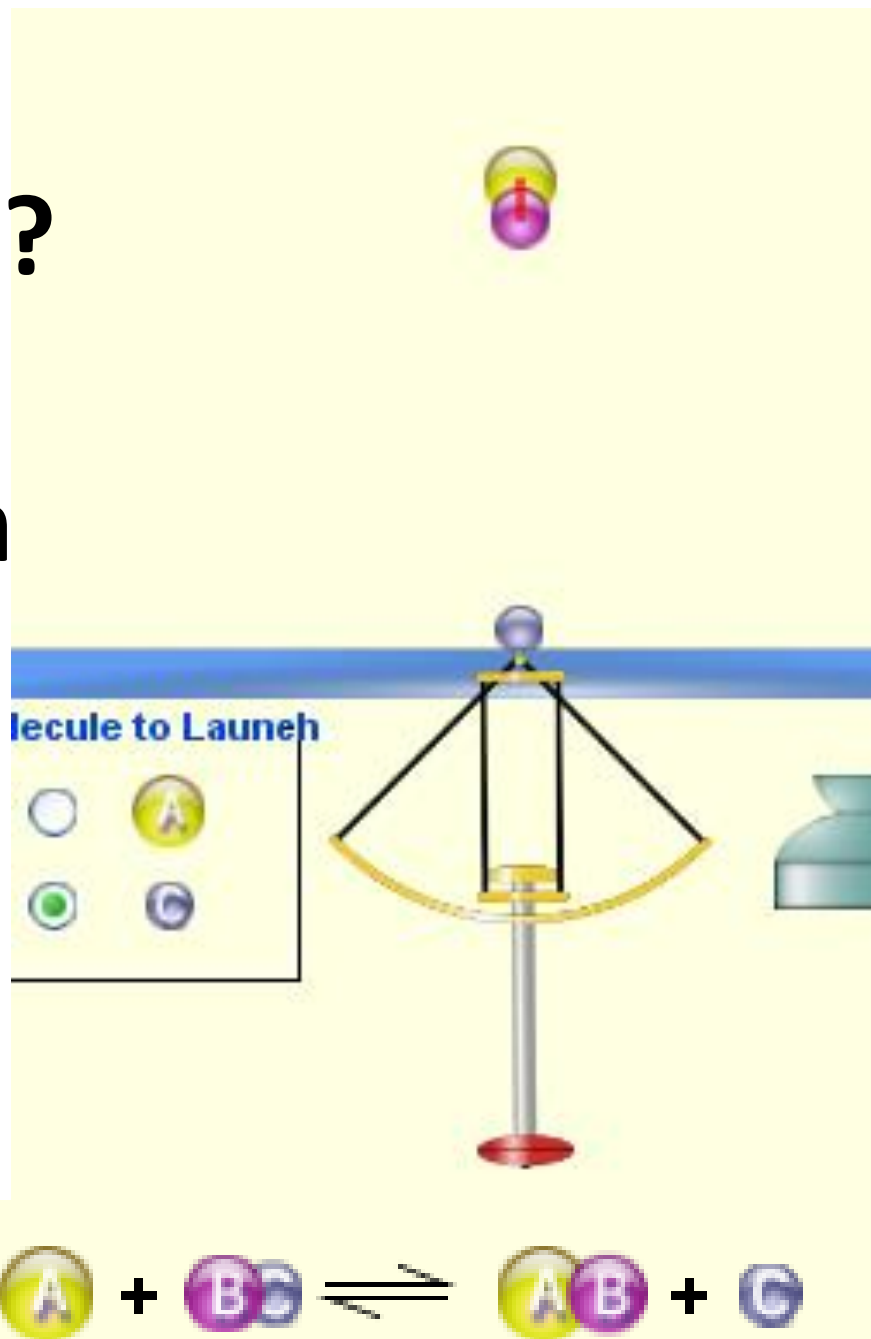
1. Describe reactions in terms of a simple molecular model.
2. Describe reactions in terms of molecular models with illustrations.
3. Differentiate between dissolving and reacting
4. Use the molecular model to explain why reactions are not instantaneous.
5. Use the molecular model to explain why reactions have less than 100% yields.

What will probably immediately happen ?

A  will form

B  will form

C No reaction

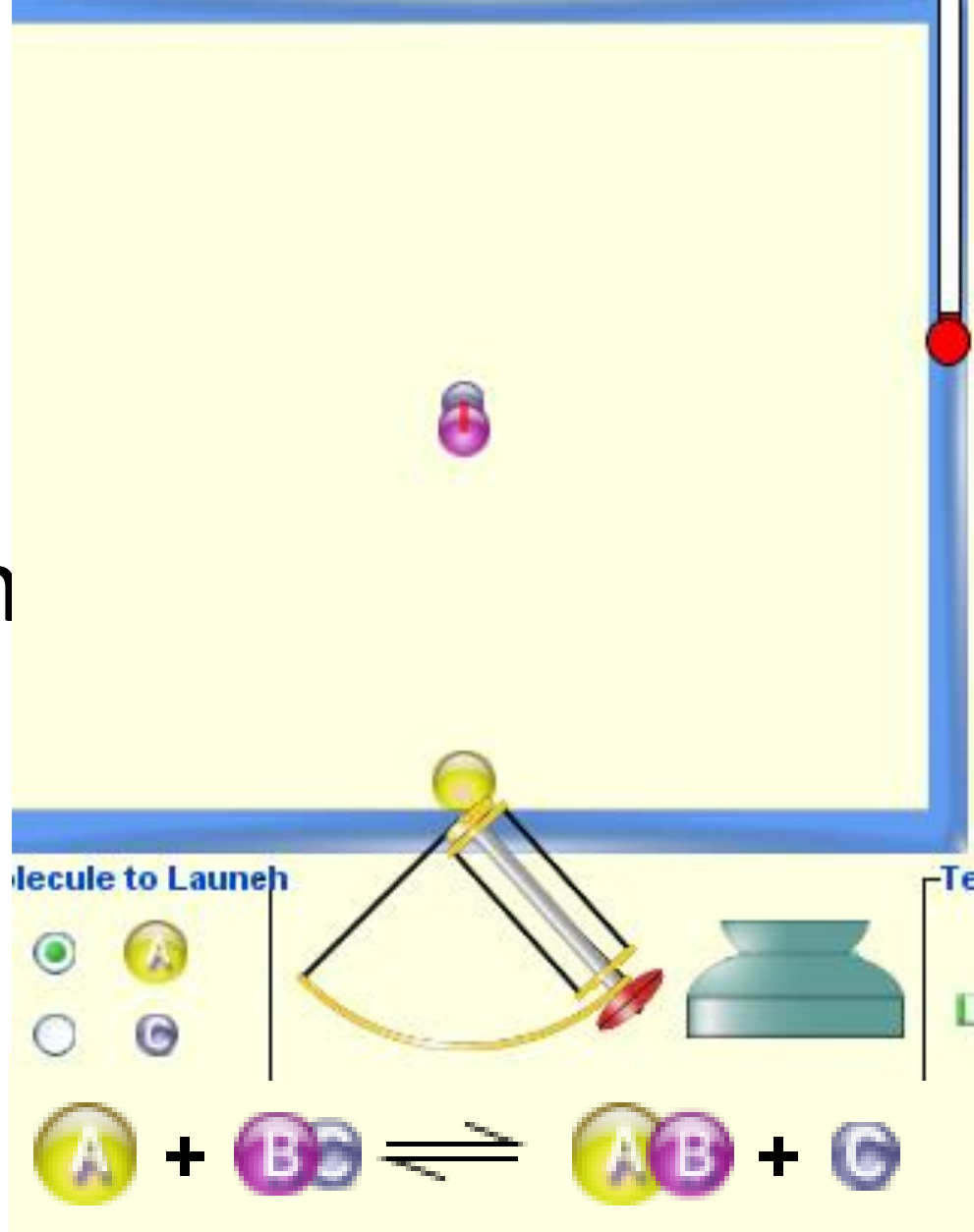


What will probably happen ?

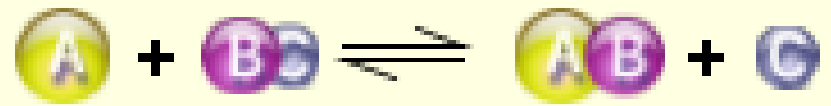
A  will form

B  will form

C No reaction



What will probably immediately happen ?



A  will form

B  will form

C No reaction

Current Amounts



50



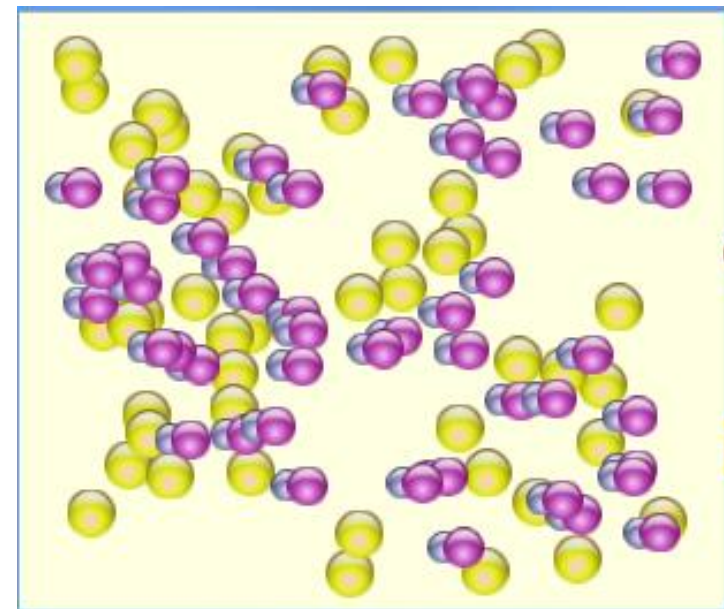
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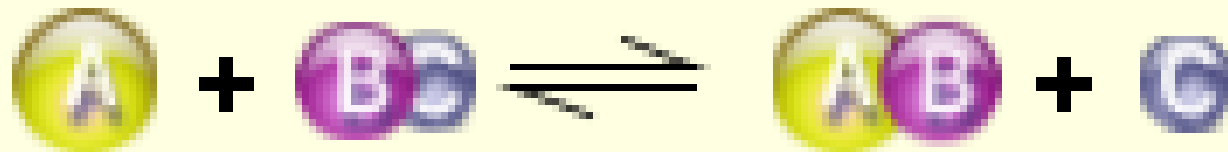


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What will most likely be in the container after several minutes have passed ?

- A. Container will have only  & 
- B. Container will have only  & 
- C. Container will have a mixture of all four