Students select two independent toppings to put on their individual pizzas. As a result of their selections, the students have the opportunity to imagine and discuss possible combinations of toppings. Imagine that students have the option to add pepperoni or olives to their pizzas. After considering these choices, students are asked to predict the possible combinations of toppings for their pizzas. They may consider the following combinations:

- Pepperoni
- Olives
- No toppings

Each student is then provided with a small container of each topping to add to their pizza. They are asked to explain why certain combinations of toppings are not possible. For example, if a student has pepperoni, they may not choose another topping that includes pepperoni. The teacher may ask students to explain why certain combinations are not possible, and how they arrived at their conclusions. This activity helps students understand the concept of independent events and the limitations in selecting toppings for a pizza.