

# Nuclear Energy



2 minutes

## What You Will Do

Observe a chain reaction.

## Get it Together

- ◆ 15 dominoes

## Procedure

1. Line up 15 dominoes to form a triangle as shown below.
2. Knock over the first domino so that it falls against the second row of dominoes.
3. Set up the dominoes again, but then remove the domino in the third row.
4. Knock over the first domino again.

## A Closer Look

In order for a controlled chain reaction to occur, all of the dominoes must be in their proper places. In a nuclear power plant, control rods (dominoes) are also set in a precise order to make sure that the splitting of atoms occurs in a controlled, orderly way. If control rods were not used, the huge amount of energy released during atom splitting could cause an explosion and put people in danger.

