

Name:

Date:

Class:

Materials Matter Activity 1 Worksheet **Answer Key**

1) Describe what is happening in the videos.

The videos show fruits and different objects being smashed. Fruits and vegetables are smashed using a sledgehammer, while a machine breaks down ceramic tile, dry wall, and plywood.

2) Why do the objects break differently?

Objects break differently because they are made of different materials. Fruits and vegetables are made of softer materials than plywood, ceramic tile, and dry wood.

3) After watching the second video, why do you think it takes different amounts of force to break the materials?

Dry wood, plywood, and ceramic tiles are made of different materials, so they will need different forces to break them.