

## Goals and Assessment

Clarify that the goals indicate what students should understand and be able to do as a result of the activity. Make sure students understand that Chapter Assessments are based upon these goals.

Goal	Location in Activity	Assessment Opportunity
Generate and describe two types of waves.	<b>Investigate</b> Part C <b>Check Your Understanding</b> Questions 4 – 5	Observations accurate, comparisons between the two wave types thorough. Responses to questions match those given in the Teacher's Edition.
Determine the relative speeds of compressional and shear waves.	<b>Investigate</b> Part C: Step 4 <b>Check Your Understanding</b> Questions 4 – 5	Determined from Slinky exercise that compressional waves are faster than shear waves. Responses to questions match those given in the Teacher's Edition.
Simulate some of the motions associated with earthquakes.	<b>Investigate</b> Part A Part B	Observations of rupture and rebound clear, supported with sketches.
Infer the origin of earthquakes and the mechanism of transfer of seismic wave energy.	<b>Digging Deeper</b> <b>Check Your Understanding</b> Questions 2 – 3 <b>Understanding and Applying</b> Questions 4, 6 – 7	Responses to questions match those given in the Teacher's Edition.