

ACTIVITY

● Energetic Waves

1. Tie one end of a piece of **rope or string** to the back of a **chair**.
2. Hold the other end in one hand, and stand away from the chair so that the rope is almost straight but is not pulled tight.
3. Move the rope up and down quickly to create a single wave. Try this several times.
4. Which way does the wave move? How does the rope move compared with the movement of the wave?
5. Where does the energy of the wave come from?
6. Record your observations and answers.