** Connecting with the Energy Ball** **Or…. Energy Stick**

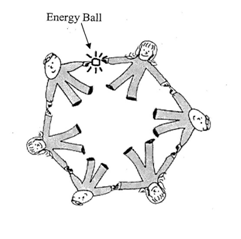
1. Place your fingers on both of the metallic contacts on an Energy Ball or Energy

Stick. Notice that the ball/stick flashes and produces a tone. This indicates that a

current is flowing through your fingers and a portion of your body.

2. Form a series circuit with two or more students as shown in the figure

below. See what happens when two people break the circuit.



3. It’s fun to see if there is a limit to the number of people you can

include in your circuit. Try it!

4. To demonstrate a parallel circuit with the Energy Ball, get in a

formation that looks like a ladder with two lines of students

holding hands connected by students between the lines. What happens

as pathways, that is, students connecting the lines, are removed one by

one?

