

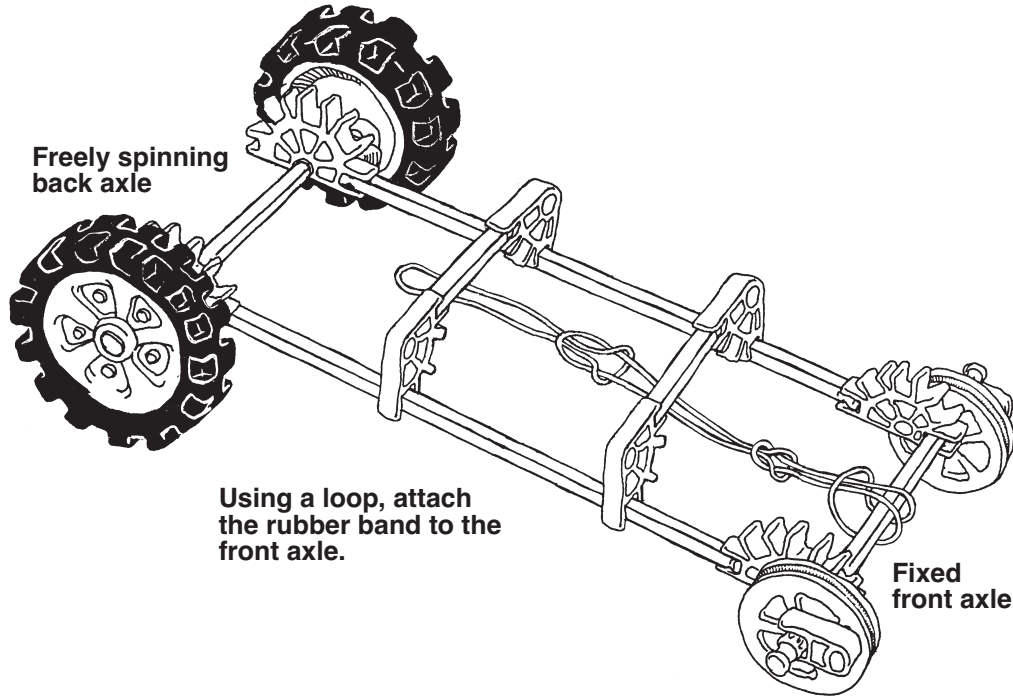
Record Sheet 6–A

Names: _____

Date: _____

Evaluating Our Vehicle Design for Rubber Band Energy

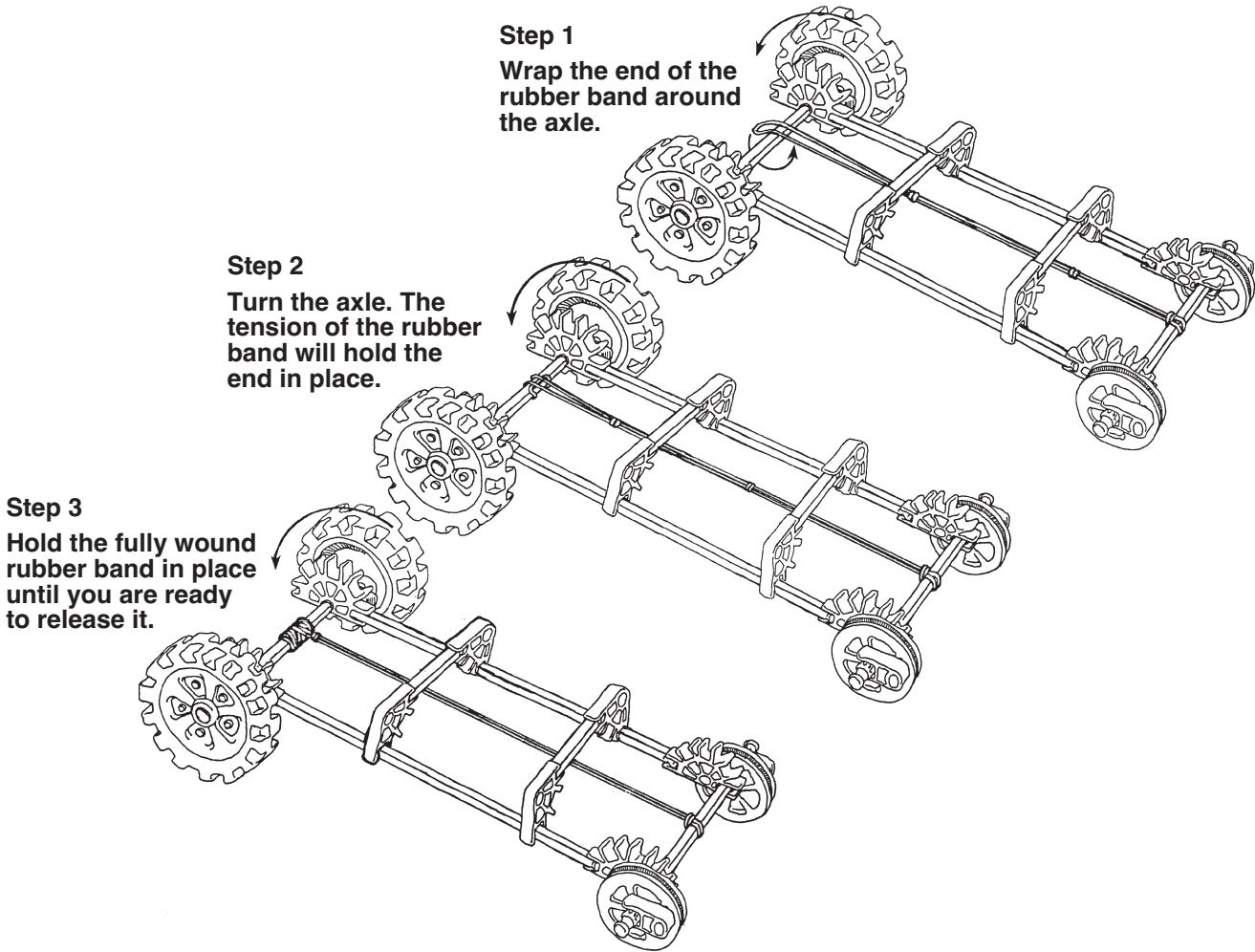
1. As shown in the illustration, attach the connected rubber bands to the axle (the red rod) near the small wheels by looping it around the axle.
2. Stretch the loose end of the rubber band to the other axle, near the large wheels. Wind the loose end several times around this axle. (The illustrations on the next page of this record sheet will help you.) Let go of the rubber band. What happened? Why do you think this happened?



3. Explore other ways of using the rubber band to move your vehicle.
 - Wind the rubber band in opposite directions—over the axle and then under the axle. What do you observe each time?

- Remove the rubber band. Attach one end of it to the axle that spins. Then wind the other end around the fixed axle. Let go. What do you observe?

Evaluating Our Vehicle Design for Rubber Band Energy, *continued*



4. What other observations have you made about your axle-driven vehicle and how it moves with rubber band energy?
