

# Teacher's Answer Key

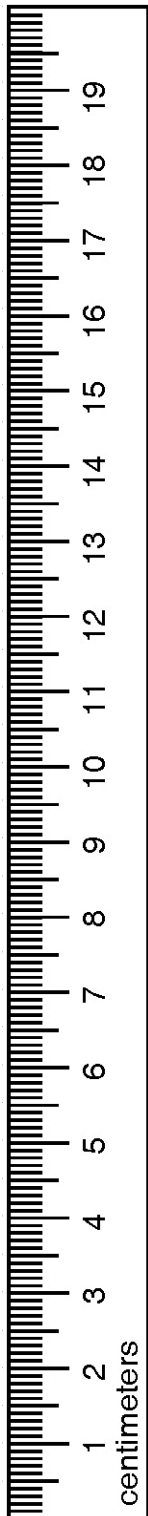
## Nano Exhibit Worksheet



Name \_\_\_\_\_

How many nanometers are in a meter? [One billion] \_\_\_\_\_.

Trace an outline of your hand below. How many nanometers long is your hand? [~100 -200 million] \_\_\_\_\_.



200 million nanometers

190 million nanometers

180 million nanometers

170 million nanometers

160 million nanometers

150 million nanometers

140 million nanometers

130 million nanometers

120 million nanometers

110 million nanometers

100 million nanometers

90 million nanometers

80 million nanometers

70 million nanometers

60 million nanometers

50 million nanometers

40 million nanometers

30 million nanometers

20 million nanometers

10 million nanometers

0 nanometers

**At the “What happens when things get smaller?” station, read about the four ways nanotechnology might change our lives. Which one do you think is the most important? Why?**

[Possible answers: medicine, energy, water, or food. Reasons will vary.]

**At the “Balance our nano future!” station, balance the blocks on the table. Put each one where you think it belongs.**

Name one thing you placed in the Neighborhood area. Why did you put it there?

[Answers will vary, but could include: people, houses, apartment buildings, and cars. Reasons will vary.]

Name one thing you placed in the Government area. Why did you put it there?

[Answers will vary, but could include: the capitol building, the bank, the hospital, the grocery store, the electronics store, and the toy store. Reasons will vary.]

Name one thing you placed in the Nature area. Why did you put it there?

[Answers will vary, but could include: people, trees, and animals. Reasons will vary.]

Name one thing you placed in the Science and Industry area. Why did you put it there?

[Answers will vary, but could include: the university, the nano business, and the nano laboratory. Reasons will vary.]



This project was supported by the National Science Foundation under Award No. 0940143. Any opinions, findings, and conclusions or recommendations expressed in this program are those of the author and do not necessarily reflect the views of the Foundation.

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