

Name _____

B. Activity Guide.

Note: If you see * that means do whatever the directions are and have a teacher, parent, chaperone, or explainer check and initial that you did it.**

Go to the “Dam the Creek” Area Read the information.

1. Build a dam as high as you can. *** _____ Does it hold the water back? Yes/no _____
2. Try to stop all the water from getting through the dam. *** _____ Could you do it? _____
3. Do some real dams like Holtwood and Safe Harbor dams on the Susquehanna have drainage holes in them Yes/ No _____
4. Is it better to have the dam(a. thicker b. thinner c. the same thickness)at the bottom than at the top? _____
5. Gently break up the dam and let the water flood. Try a different design if you have time.
*** _____

Find the “Minimal Surfaces” exhibit area.

1. What would have been another good name to give this activity? _____
a. Skydiving b. bubble making c. How to eat ice cream d. Who let the dogs out?
2. Use the wands near the wall and make a 3 dimensional shape. Poke it with your finger.
*** _____
3. Use the circle with the handles and make a bubble. Move it up and down. Is the bubble:
a. rigid b. hard c. elastic d. rough _____
4. The easiest and simplest shape for a normal bubble is a. sphere b. square c. rectangle _____

Go to the “Tornado/ Fountain” area

1. Make a tornado in the bottle. *** _____
2. In order to get the tornado shape to appear, do you: a. swirl the bottle around or b. move the bottle up and down.
3. Who was the person that in 62AD described a fountain similar to this one. _____
a. Caesar b. Hero c. Michael Jordan d. Abe Lincoln