

Name: _____ Date: _____

Aerogels in Action Worksheet

1. List the *hydrophobic* materials used in the activity.
2. List the *hydrophilic* materials used in the activity.
3. A typical 1-cm³ silica aerogel weighs 0.1 grams; calculate its density.
4. How many nanometers are in 1 meter?
5. Explain why the food coloring was pushed from the oil to the water.
6. What are some other ways we could use hydrophobic aerogels? List at least two. *Be creative and have fun coming up with novel ideas!*