Name: _____ Date: _____ Class: _____

Post-Activity Quiz Answer Key

1. **What is water surface tension?**

   It is a property of liquids caused by water molecules wanting to stick together when exposed to air. The result is an invisible membrane that forms where air and water meet.

2. **Is it possible for metal objects to float on water?**

   Yes! The surface tension of water is like a stretchy covering that is able to support a small amount of weight.

3. **How can water surface tension be broken?**

   It is broken when objects push through the membrane.

4. **What is suminagashi?**

   An ancient art form using floating ink to decorate paper.

5. **What is a monoprint?**

   A print that can only be made one time.

6. **As you were making your suminagashi monoprints, did you feel like you had total control of the ink and the image you were making? Explain.**

   Expect a "no" answer.
   Students can influence the artwork, but they do not have total control over it.

7. **What was your favorite part of this activity?**

   Answers will vary; this is an open-ended question with no correct answer.

8. **If you were an engineer hired to clean up an oil spill, what ideas from this activity might you apply to help you with the job?**

   An engineer might use some type of super absorbent material to soak up the oil in the same way students used paper to absorb the ink.

9. **How is it possible for water bugs to run across water without sinking?**

   They are very light and have evolved a waterproof covering on their bodies and their legs are covered with tiny hairs that help them to walk on water. The simplest answer to this question is "surface tension!"

10. **Please give me your feedback. Is there anything about this art/science activity that I should change before teaching it next time?**

    Answers will vary; this is an open-ended question with no correct answer.