**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.**

1. **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.**

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

**It is broken when objects push through the membrane.**

1. **What is suminagashi?**

**An ancient art form using floating ink to decorate paper.**

1. **What is a monoprint?**

**A print that can only be made one time.**

1. **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.**

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

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

1. **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.**

1. **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!”**

1. **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.**