

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Answer Key: Super Scrupulous Second Grade Science Secret: Germ Stoppers

Moving beyond simple handwashing toward evaluating high-risk health scenarios, this challenge requires analysis of silent germ-spreading habits and protective choices.

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**1. Imagine your friend feels okay but has been sneezing around you all morning. What is the most responsible choice to keep yourself and others from getting sick?**

**Answer:** B) Wash your hands with soap and avoid touching your eyes or nose.

Germes can spread through tiny droplets from sneezing even before someone looks 'sick.' Washing hands and avoiding your face prevents those germs from entering your body.

**2. If a kitchen counter looks shiny and clean, it is impossible for harmful bacteria to be living on the surface.**

**Answer:** B) False

Bacteria are microscopic, meaning they are too small to see. A surface can look clean but still hold germs that require soap or sanitizer to remove.

**3. When you have a tickle in your throat and need to cough, the best way to stop germs from flying into the air is to cough into your \_\_\_\_.**

**Answer:** C) Inner elbow

Coughing into your inner elbow (the 'vampire cough') is better than your hands because your elbow doesn't touch doorknobs or toys, preventing the spread of germs.

**4. You are making a fruit salad for your family. Why is it important to scrub the outside of a melon even if you aren't eating the skin?**

**Answer:** C) To stop the knife from dragging outside germs into the fruit.

When a knife cuts through a melon, it can carry any bacteria on the outside skin directly into the soft part of the fruit that we eat.

**5. Staying active and getting enough sleep helps your body build a 'shield' called an immune system to fight off invaders.**

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**Answer:** A) True

Healthy habits like exercise and rest strengthen your immune system, which is your body's natural defense against getting sick.

**6. Using \_\_\_\_\_ instead of just plain water is necessary because it helps lift germs and oils off your skin so they can be rinsed away.**

**Answer:** C) Liquid soap

Soap molecules have a special job: one end grabs the germ and the other grabs the water, pulling the germ off your hands completely.

**7. Which of these is a 'hidden' way germs can travel that most people forget about?**

**Answer:** A) Touching a TV remote after someone with a cold used it.

Shared surfaces like remotes, tablets, and doorknobs are 'germ hotspots' because many people touch them, but they aren't cleaned as often as hands.

**8. If you are at a park and no sink is available, the most effective tool to lower the number of germs on your hands is \_\_\_\_\_.**

**Answer:** D) Hand sanitizer

When soap and water aren't around, alcohol-based hand sanitizer is the best way to kill germs on the surface of your skin.

**9. You should only brush your teeth once a week to keep the enamel strong.**

**Answer:** B) False

Brushing twice a day is essential to remove plaque and prevent bacteria from causing cavities in your teeth.

**10. Why is it important to tell a grown-up if you feel a little bit sick before you get on the school bus?**

**Answer:** B) To prevent your classmates and teacher from catching your germs.

Disease prevention isn't just about you; it's about making sure you don't pass illnesses to others, especially in crowded places like classrooms.