**Novice Engineer Assessment Worksheet Answer Key**

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| 1. What types of materials do you think will cushion an egg so it doesn’t crack?   *Complete answer:* Materials like cotton balls, elastic fabric, rubber bands.   1. What types of energy are involved in the dropping of an egg during the fall?   *Complete answer:* As the egg falls, its energy transfers from gravitational potential energy to kinetic energy.   1. How high do you think you can drop an egg onto a hard surface and keep it from breaking? Why? Where does the egg’s kinetic energy go?   *Complete answer:* Look for good reasoning re the height question, explaining why. When the egg hits the ground, kinetic energy transfers to heat energy, sound energy and/or kinetic energy is absorbed by the hard surface material and by the egg (shell breaks). |