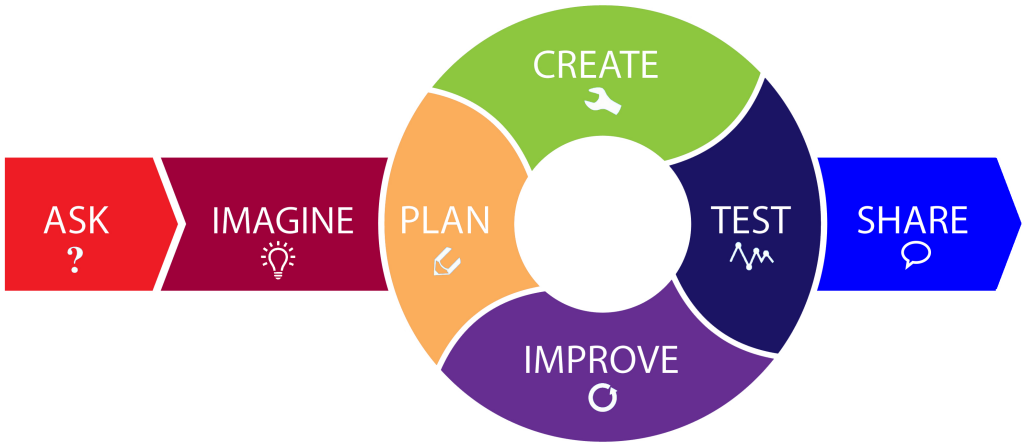

Engineering Design Process Quiz

For each of the following, identify which step of the Engineering Design Process is described.

ASK, IMAGINE, PLAN, CREATE, TEST, IMPROVE, SHARE

	1. John notices that his pencil erasers always break off the first time he uses them. He wonders why this problem keeps happening.
	2. Susie runs her robot to see if it detects an obstacle and follows the line.
	3. Mrs. Barbie and Mrs. Smith are putting together a new type of folder that to help keep students organized. They have all the materials and a detailed picture of what the folder should look like in front of them.
	4. Amy and Jane are designing an entertainment center for the classroom. Amy suggests they use drawers for DVD storage. Jane suggests they use shelves for storage.
	5. After watching the sand clog the bottom of their water filter, Ren and Zen realized they should have put the sand on top of the paper filter.
	6. Vikki and Kat have built a boat for Curious George. They put it in the water and it floats! They add monkeys one by one to their boat in the water. When they add 5 monkeys to their boat, it sinks.
	7. Kendall thinks his winter sled is the slowest of all his friends. He has no money to buy a new sled, so he asks his classmates what they have tried to increase speed.
	8. Tyra and Karla have searched the Internet looking for ideas to make their sleds go faster down the hill. They have written down a few of the best suggestions. Now they will choose the best one and determine what materials they will need.
	9. Dave and Jose share their best paper airplane model with another team and receive feedback on how to improve it further.
	10. Laurie and Mera construct a model of their bridge out of balsa wood.
	11. Terry and Juanita are working on a design for a bookshelf. They also have started to make a list of materials needed to create their shelf.
	12. April and Catherine are going to build a machine that will fling a dog bone across the yard. They search the Internet for easy ways to build catapults.
	13. Susie's robot does not perform as expected and she determines it is due to the location of the heat sensor. She reattaches the sensor to the robot at a new location and tests again.