Sample Spaces

What is a Sample Space?
The sample space of an experiment is the set of all possible outcomes. EXAMPLE: Tossing a coin once has a sample space of {H, T}.

Instructions: Find the sample space for the experiments below.
Note: Use tree diagrams to help you find the sample spaces.

1	Tossing a coin two times.
2	Tossing a coin three times.
3	Rolling a 6-sided die.
4	Tom picks a bead from a bag twice. ***The bag contains***: white beads, green beads, purple beads and red beads.

5

Picking a drink then picking a snack from a coffee shop.
Drinks: coffee, hot chocolate and tea
Snacks: muffin, cookie and pastry

6

Picking out what shirt, pants and shoes you are wearing today one by one.
Shirts: blue, white and red
Pants: green, yellow and brown
Shoes: purple, orange and grey