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	Three discs are numbered 1, 5 and 10. Two cards are numbered 1 and 2. A disc and a card are randomly selected.
2	A single 6-sided die is rolled with numbers from 1 to 6. A red or black ball is selected with equal chance.

3	Sarah arrives at the soccer game early, on time or late. Sarah tries to score a soccer goal.
4	A coin and a single 6-sided die are rolled.
5	A three-course meal is chosen. **Entrees:** prawns, bread and chips **Mains:** chicken, beef and lamb **Desserts:** cake, pie and fruit