Circle the best answer for each question.

1. Hala is conducting an experiment to see if the height from which she drops a rubber ball will affect the height to which the ball bounces. Which is the independent variable in her experiment?

   A the rubber ball
   B the height from which the ball is dropped
   C the height the ball bounces
   D the mass of the ball

2. The table below shows the spring temperatures and rainfall averaged by month for two cities.

City A	March	April	May
Average Temperature	6°C	12°C	19°C
Average Rainfall	43cm	38cm	8cm

City B	March	April	May
Average Temperature	5°C	9°C	12°C
Average Rainfall	10cm	71cm	41cm

   Which conclusion can be drawn from the data?

   A City A has colder spring temperatures than City B.
   B The spring temperatures in City A do not vary as much as the spring temperatures in City B.
   C City A receives more rainfall than City B throughout spring.
   D City B has cooler spring temperatures than City A and receives more rainfall in April and May.

3. Faris is conducting a scientific investigation using the tool below. Which metric system unit is Faris most likely to record with his data?

   A grams
   B pounds
   C meters
   D cubic centimeters

4. Which type of graph should be used to show the composition of gases in Earth's atmosphere?

   A line graph
   B scatter plot
   C bar graph
   D circle graph

5. Which is an accurate description of the liquids below?

   A The liquid in the middle beaker is darker in color than the other liquids.
   B The liquid in the beaker on the right is lighter in color because the liquid is more concentrated.
   C The liquids all have the same mass.
   D The differences in color are a result of the different solutes in the liquids.