

SCIENTIFIC METHOD QUESTIONS

25 Which of the following is usually a feature of a reliable experimental design?

- (A) A large sample size is used.
- (B) Only one variable is kept the same.
- (C) The procedure cannot be copied by other scientists.
- (D) There are many variables which are not kept the same.

47 Chris wished to investigate the effects of nutrient *N* on plant growth. She set up the following pots for her experiment.

<i>Pot</i>	<i>Contents</i>	
1	10 grass seeds	no nutrient <i>N</i>
2	10 radish seeds	no nutrient <i>N</i>
3	1 grass seed	nutrient <i>N</i>
4	1 radish seed	nutrient <i>N</i>
5	1 grass seed	no nutrient <i>N</i>
6	1 radish seed	no nutrient <i>N</i>
7	10 grass seeds	nutrient <i>N</i>

Which of the following groups of pots should Chris have used to get the most valid results?

- (A) Pots 1 and 7
 - (B) Pots 2 and 7
 - (C) Pots 2, 4 and 6
 - (D) Pots 3, 4, 5, 6
- 51 In which step of a formal scientific report are observations and measurements recorded?