

Based on the materials and apparatus guidelines used, complete the given table with the responding variables, the manipulated variables, and the fixed variables.

| <b>Problem statement</b>  | <b>Variables</b> |                    |                   |
|---|------------------|--------------------|-------------------|
|   | <b>fixed</b>     | <b>manipulated</b> | <b>responding</b> |
| (a) Does the temperature affect the solubility of a substance in water? |                  |                    |                   |
| (b) Is oxygen required in the rusting process?                          |                  |                    |                   |
| (c) Does acids react with metals?                                       |                  |                    |                   |
| (d) Is water needed for germination of seeds?                           |                  |                    |                   |