

BLM 13.4

PIECING TOGETHER THE SCIENTIFIC METHOD

Can you piece together the sequence of the scientific method, using the following terms: law, theory, hypothesis, experiment, question, observation, prediction? Other terms you might add: corroboration, validation.

Number the terms as you think best fits the sequence of the scientific method. Compare your sequence with your classmates' results. Revisit your sequence after surveying different schools of thought in the philosophy of science. Is there more than one possible sequence for these terms?

You may use the diagrams below, modifying them with arrows or additional boxes and labels or create your own flowchart.

