

abstraction

The diagram illustrates a four-level abstraction hierarchy. On the left, a vertical blue arrow points upwards, labeled 'abstraction'. The hierarchy itself is a large light blue rounded rectangle containing four stacked boxes. From bottom to top, these are: 'Level 1 — Raw Data' (lightest blue), 'Level 2 — Hypotheses' (medium blue), 'Level 3 — Interpretation' (darker blue), and 'Level 4 — Solution' (darkest blue). To the right of the hierarchy are three agent boxes. 'Agent 1' (green) has an arrow pointing to Level 2 and text 'reads L1, writes L2'. 'Agent 2' (green) has an arrow pointing to Level 3 and text 'reads L2, writes L3'. 'Agent 3' (orange) has an arrow pointing to Level 4 and text 'reads L3, writes L4'. At the bottom, a caption states 'Agents read lower levels and write higher levels'.

## Level 4 — Solution

complete answer / final result

### Agent 3

reads L3, writes L4

## Level 3 — Interpretation

structured partial solutions

### Agent 2

reads L2, writes L3

## Level 2 — Hypotheses

candidate partial results

### Agent 1

reads L1, writes L2

## Level 1 — Raw Data

observations, sensor inputs

Agents read lower levels and write higher levels