

What things are matter?

Carol L. Smith, Umass-Boston

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- How many students:
 - Include all solids/powders?
 - Include all solids/powders/liquids?
 - Include all solids/powders/liquids/gases?

- How many students:
 - Both under-extend and over-extend?
 - Only under-extend?
 - Only over-extend?

Judgments for Treatment Students

Includes all “X” as Matter:	Grade 3 Pre	Grade 3 Treat	Grade 4 Treat
Solids and powders	56%	69%	80%
Solids, powders, liquids	42%	51%	60%
Solids, powders, liquids, & gases	16%	24%	31%

Judgments for Treatment Students

Patterns of Judgments	Grade 3 Pre Treat	Grade 3 Treat	Grade 4 Treat
Both Under and Over-extend	49%	22%	18%
Only Underextend(UE)	36%	54%	51%
Only Overextend (OE)	13%	20%	29%
Correct Extension	2%	4%	2%

Comparison Treatment/ Control

Pattern	G3 Pre	G3 Post	G4 Post	G4 Cont
Both UE & OE	49%	22%	18%	52%
Only UE	36%	54%	51%	37%
Only OE	13%	20%	29%	4%
Correct	2%	4%	2%	7%