

LS 8.1.2 Provide reasoning about the method used to separate a mixture of various materials or objects

2. Fill in the blanks with the correct answers. LS 8.1.2 PL 3 PL 4

- (a) Method: Using water to separate saw dust and pebbles.

Reason: _____ will float in water and
_____ will sink in water.

- (b) Method: Using a magnet to separate thumbtacks from a mixture of pebbles and saw dust.

Reason: _____ are magnetic materials while
_____ and _____ are not.

- (c) Method: Using a sieve to separate flour from a mixture of pebbles, thumbtacks and saw dust.

Reason: _____ is fine-sized materials,
while _____, _____ and
_____ are large-sized materials.

- (d) Azim is given a task to separate mixtures of various materials as shown below. Help Azim by numbering the steps of separation according to order.



Flour, saw dust, pebbles and thumbtacks

	Use water to separate the saw dust and pebbles.
	Use a magnet to separate thumbtacks from the mixture of saw dust and pebbles.
	Use a sieve to separate flour from the mixture of pebbles, thumbtacks and saw dust.

PERFORMANCE LEVEL ACHIEVED (✓) 1★ 2★ 3★ 4★ 5★ 6★



LS 8.1.4 Summarise how materials can be dissolved more quickly by carrying out investigations

4. Mariam wants to make syrup. Mark (✓) the way that sugar can be dissolved faster while Mariam prepares the drink. Then, underline the correct answer. LS 8.1.4 PL 5 HOTS Applying

(a)



Hot water



Cold water



Mariam must use (hot water, cold water)

(b)



Sugar cubes



Fine sugar



Mariam must use (fine sugar, sugar cubes)

(c)



Materials can dissolve more quickly in water if the water is (not stirred / stirred)

PERFORMANCE LEVEL ACHIEVED (✓)

1



2



3



4



5



6

