Separating mixtures for Grade 6

Practice worksheet - Science · Grade 6

Name: _____ Date: _____

Show your working. Answers are not included in this copy.

Try each task before opening its answer. Give an example or reason, not only a label.

Write an answer and your reason before opening the explanation. Check the reasoning as well as the final answer.

1. Which method is practical for a few visible stones mixed with rice?

2. What property does a suitable sieve use?

3. What is retained on a filter called?

4. What is the liquid that passes through a filter called?

5. Does ordinary filter paper retain dissolved salt?

6. Which component is recovered by evaporating a salt solution without collecting vapour?

7. What passes through the filter when sand and dissolved salt are in water?

8. Why add water first to a dry sand-and-salt mixture in the described method?

9. Name the process when suitable suspended particles settle.

10. What is carefully pouring off the upper liquid called?

11. Will an ordinary magnet reliably remove aluminium pieces from sand?

12. Does clear-looking filtered water have to be safe to drink?

13. If both materials pass through a sieve, give one possible reason.

14. What extra stage is needed to collect evaporated water in distillation?

15. Why is "use a filter because it separates" an incomplete explanation?

16. Write a method-choice statement for iron pieces and non-magnetic sand.