

Do you want salt on that?

Education in Chemistry

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Answers

1. Sodium: grey metal, solid at RT. Chlorine: green gas
2. White crystals
3. Vigorous reaction, sparks, temperature change
4. Sodium + chlorine → sodium chloride
5. More than 1 g, as chlorine atoms have been added. Keep an eye out for misconceptions about chlorine being a gas so making the mass less.
6. The properties of compound are ordinarily different from the properties of the elements that make it up.
7. Solute: salt
Solvent: water
Solution: sodium chloride
8. Filtering
9. The particles of calcium carbonate are too big to fit through the holes in the paper.
10. Context dependent, see article for ideas for reducing salt intake.