

22. When cleaning greasy/dirty objects in hard water, it is **best** to use

- (a) a soap, because it forms a precipitate with the ions causing water hardness, thereby removing these ions from solution.
- (b) a detergent, because it does not react with the ions causing water hardness.
- (c) a detergent, because it forms a precipitate with the ions causing water hardness, thereby removing these ions from solution.
- (d) a soap, because it does not react with the ions causing water hardness.