Using resources

Chemistry Paper 2 | 30 quick questions

GCSE science knowledge recall

Answer online, marked instantly

Name: _____ **Date:** _____ **Score:** _____ **/ 30**

1 What is the word for a resource, such as crude oil, that will run out because it is not being replaced as fast as it is used?

2 What does sustainable development mean?

3 What is the name for water that is safe to drink? Answer in one word.

4 In the UK, rain collects in lakes, rivers and underground rocks. What is the name for this kind of water? Answer with two words.

5 Fresh water is passed through filter beds and then sterilised. Name one sterilising agent used.

6 What is the name for the process of removing salt from sea water to make it drinkable?

7 Besides distillation, name the membrane process used to desalinate sea water. Answer with two words.

8 What is the first stage of sewage treatment, which removes large objects such as rags and grit?

9 Sewage is left in tanks so that heavy solids sink. What is this stage called?

10 Sewage sludge is broken down by bacteria without oxygen. What is this process called? Answer with two words.

11 The liquid effluent is treated by bacteria while air is bubbled through it. Is this aerobic or anaerobic?

12 What is the name of the method of extracting metal by growing plants that absorb metal compounds, then burning them and collecting the ash?

Higher

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13 What is the name of the method that uses bacteria to produce leachate solutions containing metal compounds?

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14 Copper can be obtained from a solution of copper compounds by displacement with which cheap metal? Give the name.

Higher

15 Apart from displacement, name the other method used to get pure copper metal from a solution of copper compounds.

Higher

16 What is the name for an assessment of the environmental impact of a product at every stage from raw materials to disposal? Answer with three words.

17 Explain why a life cycle assessment is not a fully objective process.

18 Glass bottles can be crushed and melted to make new glass. What is the word for this?

19 Give one reason why recycling a metal is usually better than extracting new metal from its ore.

20 Rusting of iron needs two substances. One is oxygen (from air). What is the other?

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21 Iron is coated with a layer of zinc to stop rusting. What is this process called?

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22 Blocks of magnesium attached to a ship's steel hull corrode instead of the steel. What is this type of protection called? Answer with two words.

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23 Bronze is an alloy of copper and which other metal?

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24 Pure gold is described as how many carat?

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25 Glass that is made by heating sand, sodium carbonate and limestone is called what? Answer with two words.

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26 A polymer softens when heated and can be remoulded. Is it thermosoftening or thermosetting?

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27 What is the name for a material made of two parts, a reinforcement held in a matrix (binder)?

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28 The Haber process combines nitrogen and hydrogen to make which compound? Give the name.

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29 Which metal is used as the catalyst in the Haber process?

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30 In an NPK fertiliser, which element does the letter K stand for?

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