

★ Hard words ★

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|-----------------|------------------|
| 1.) Minerals | 8.) Equipment |
| 2.) Igneous | 9.) Exhaustible |
| 3.) Sedimentary | 10.) Swampy |
| 4.) Metamorphic | 11.) Sanctuaries |
| 5.) Ore | 12.) Kerosene |
| 6.) Fossil | 13.) Haematite |
| 7.) Metallic | |

★ Define ★

- 1.) Minerals :- Minerals are naturally occurring substances with specific physical properties and chemical compositions.
- 2.) Exhaustible resources :- Natural resources that are limited, can not be renewed naturally within timeframe.
- 3.) Inexhaustible resources :- Natural resources that can be renewed (replenished) and unlimited in nature are called inexhaustible resources.
- 4.) Fossils :- Fossils are the remains of dead plants and animals that got buried under the earth's surface millions of years ago.

★ Answer the following questions.

1.) What are rocks made up of? How many kinds of rocks are there?

Ans. → Rocks are made up of minerals. Depending on the method of their formation, rocks are of three types:

- i) Sedimentary rocks,
- ii) Igneous rocks,
- iii) Metamorphic rocks.

2.) How are sedimentary rocks formed?

Ans. → Sedimentary rocks are formed by the deposits of sediments like sand, gravel or dust that settles at the bottom of river, lake and ~~ocean~~ ocean, layer after layer. The upper layer of sediments put pressure on the lower layer along with the weight of water. It hardens the sediments and thus forms sedimentary rocks.

3.) How are igneous rocks formed?

Ans. → After volcanic eruption hot molten lava from interior of earth pours out from crater. This hot lava cools down and hardens to form igneous rocks.

4.) How are metamorphic rocks formed?

Ans. → Metamorphic rocks are formed when heat and pressure inside the earth change the structure of other rocks.

like igneous or sedimentary rocks. This process of forming metamorphic rocks is known as metamorphosis.

5.) Why are coal and petroleum valuable resources? What should we do to conserve them?

Ans. → Coal and petroleum are valuable resources because of its commercial value and its multiple uses and also they are non-renewable (exhaustible) resources.

→ They are limited and will not last longer for our use if we don't conserve them. So, we need to use them carefully and wisely. To conserve them we should use alternative sources of energy, like solar, water and wind energy.

6.) What are ores? Name four common ores and ~~their~~ the metals extracted from them.

Ans. → The minerals from which metals can be extracted profitably are called ores.

→ Eg., Iron from haematite,
Copper from pyrite,
Aluminium from bauxite,
Zinc from calamine.

7.) Give two uses each of coal and petroleum.

Ans. → Uses of coal :

i) It is used as a fuel for cooking, and heating during winters.

ii) It is used in locomotives to produce steam and in power station to produce electricity.

→ Uses of petroleum :

i) It is used as fuel for aeroplanes, buses, cars and factories.

ii) Paraffin wax obtained from it is used for making candles, boot polish, waterproof cartons, kerosene, diesel oil. etc

8.) Give the uses of non-metallic metallic minerals.

Ans. → Non-metallic minerals like quartz is used for radio and electronic industries.

→ Minerals like phosphate, sulphates and nitrates are used as ~~for~~ fertilisers to improve the fertility of the soil.

9.) How can we conserve our trees and animals?

Ans. → We should not cut trees and plant more trees.

- We should reduce use of plant products such as paper.
- Spread awareness about the adverse effect of deforestation.
- Save animals from ~~being~~ being killed.
- Say no to leather belt, jackets, purses or other products made up of animal skin.

10.) What are natural resources? How many types of resources are there? Give examples.

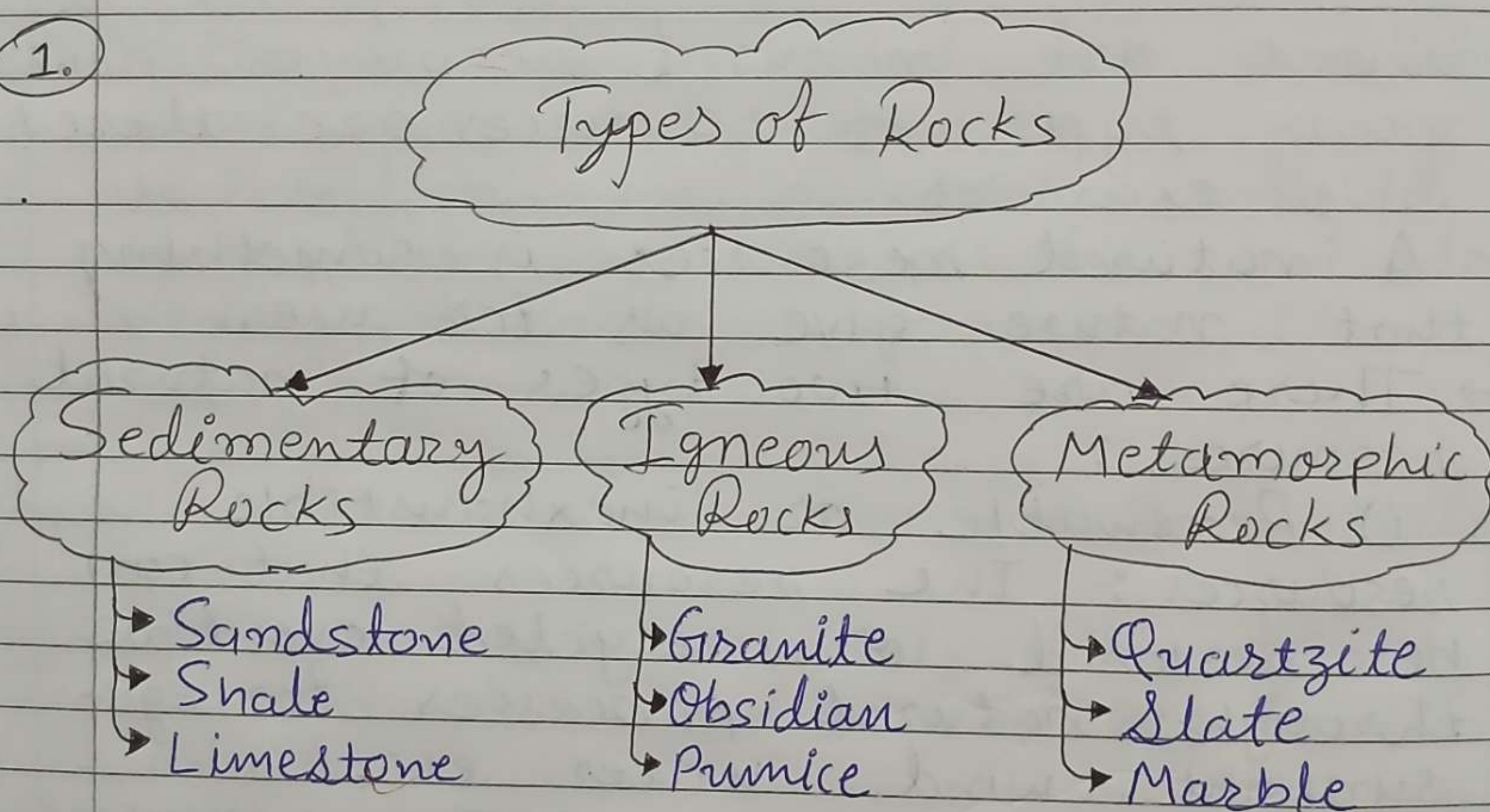
Ans. → A natural resource is something that nature give us for use.
→ There are two types of natural resources:

- i) Renewable or inexhaustible resources :- The resources that can be restored or recycled overtime through natural processes, for eg:- sunlight, wind, water, etc.
- ii) Exhaustible resources :- The resources that cannot be restored or recycled like coal and petroleum are known as exhaustible resources. These are available in limited quantity, so we should use them wisely.

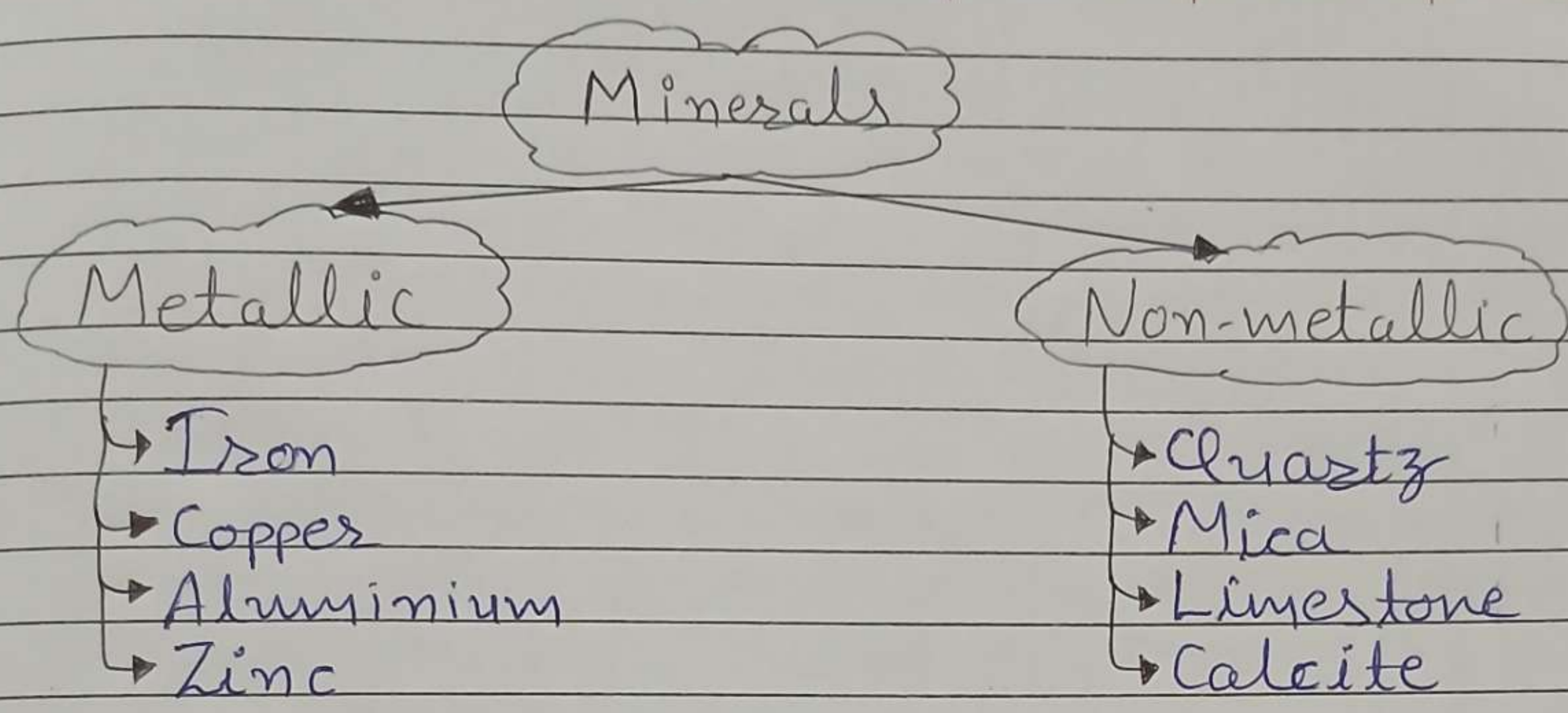
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★ Mind - Maps ★

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