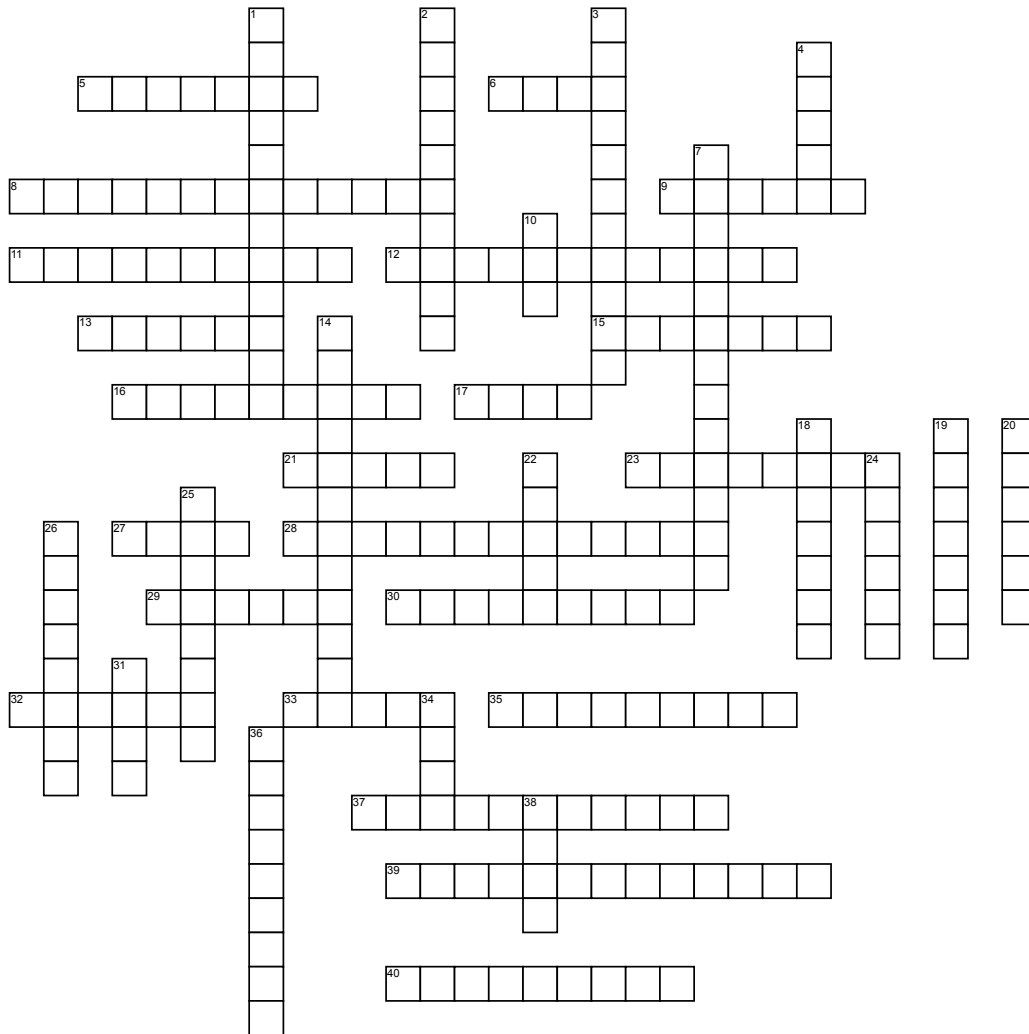


MINING OF MINERAL RESOURCES



Across

5. Iron used to make iron furniture.
 6. Iron used to make pots and engine blocks.
 8. The product of carbon and the oxygen from iron oxide.
 9. Mineral salts that contain potassium.
 11. When the mineral is removed from an ore.
 12. The number of variety of living organisms.
 13. The ore which contains lead.
 15. A valuable form of carbon which is mined.
 16. The liquid wastes from gold mining are stored in
 17. The form in which carbon is added to a blast furnace.
 21. Iron mixed with carbon.
 23. Small amounts of elements found in the soil.
 27. The compounds in the soil which contain minerals
 28. The third substance added in the extraction of gold.
 29. Where most of our iron is mined in South Africa.
 30. A diamond mining city in SA
 32. How ores in deposits are removed from the earth's crust.
 33. Gold is found in these layers.

35. Substance added to a blast furnace which combines with the sand.

37. The outer mantle, crust and soil.

39. Where most gold is mined in SA

40. Where natural gas is mined in SA

Down

1. Mining activities are meant to leave the environment as the found it or it.
 2. The ore which contains zinc.
 3. The ore which contains uranium.
 4. The solid wastes from gold mining are stored in these mine

7. The first additive to gold ore to dissolve the gold.

10. The iron which comes directly off a blast furnace.

14. The hot burner in which iron is extracted.

18. Extracting gold by hand from rivers.

19. The type of mining which involves strip mining, open pit mining and quarrying.

20. The ore which contains titanium.

22. The compound in which most minerals are found.

24. The tunnels in underground mining.

25. Valuable sites with old cultural and/or biological value.

26. Larger quantities of ores.

31. The metal added in the gold extraction process to precipitate the gold.

34. This is mined in its natural form and used as a food additive.

36. Diamonds are formed by these.

38. Byproduct of a blast furnace which is used to make cement.

Word Bank

deposits	slag	galena	mining	Kimberley	biodiversity	Witwatersrand
sulphuric acid	steel	diamond	sodium cyanide	shafts	sphalerite	slimedams
carbon dioxide	Sishen	zinc	ores	limestone	salt	potash
surface	dumps	blast furnace	reefs	extraction	lithosphere	Mossel Bay
wrought	volcanoes	rehabilitate	panning	coke	pig	oxide
cast	pitchblende	heritage	rutile	minerals		