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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

MINING OF MINERAL RESOURCES

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| **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 comines with the sand.  **37.** The outer mantle, crust and soil.  **39.** Where most gold is mined in SA  **40.** Where natural gas in 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. |

   minerals       ores       deposits       mining       diamond       surface       potash       salt       galena       rutile       pitchblende       sphalerite       shafts       extraction       Sishen        blastfurnace       coke       carbondioxide       pig       cast       wrought       steel       limestone       slag       reefs       panning       sodiumcyanide       zinc       sulphuricacid       dumps       slimedams       biodiversity       rehabilitate       lithosphere       heritage       oxide       volcanoes       Kimberley       MosselBay       Witwatersrand