Chapter 21 Mining and Minerals Test 6
See Word Bank below. Same answer can be used more than one.

ACROSS

4 All the rock that eroded away from the Voisey’s Bay nickel deposit was probably ____________, since it formed from a magma chamber.

5 Using electrified plates in acid solutions to refine metals

WORD BANK: Archaean, bandediron, basalt, bauxite, billion, bottom, bronze, chislett, copper, cyanobacteria, density, diamond, dissolve, dna, electrorefining, floatation, granite, hadean, heapleaching, hematite, hotwater, iron, ironore, kimberlitepipes, labradorcity, low, magmachamber, motherlode, oxygen, ozone, placer, precipitate, pressure, proterozoic, quartz, refining, secondaryenrichment, silver, smelting, sulfur, supernova, tropics, uplift, veins, voiseysbay, weathering.
12 The most valuable mine in NL is located here:

14 Placer deposits can concentrate gold, or this valuable non-metallic mineral ________________.
15 When copper and tin were alloyed, they formed this metal ________________.
16 Refining process where weak acid is poured over ore to leach out the valuable metals ________________.
17 Using water and chemicals to cause a pulverized ore slurry to form bubbles of metalic particles ________________.
18 When you look for Gold Placer deposits, you look for black sand in the sand bars made of this weathered rock ________________.
19 The first Eon of earth history before primitive life had a chance to survive: ________________.
20 What does the word “hydrothermal” mean? ________________.
21 The most common mineral that forms veins due to hydrothermal fluids is ________________.
22 The processes of purifying the metal that's been extracted from ore ________________.
23 Which Eon of earth history was characterized by complex cellular life in the oceans that depend on oxygen to live? ________________.
24 When hydrothermal fluids move into fractures, the water can cool and the minerals can ________________ forming veins of minerals.
25 The fishery in NL is worth about 1 ________________ dollars per year to the provincial economy.
26 The kind of mineral deposit that forms in the sand bars of rivers: ________________.
27 The first metal to be smelted by ancient peoples between 3500 and 4000 BC ________________.
28 In what part of a magma chamber do metallic compounds concentrate? ________________.
29 The two geologists who discovered the Voisey's Bay nickel deposit were Verbiski and ________________.
30 Two of the most common metallic ore veins are gold and ________________.
31 The property of minerals that causes them to form Placer deposits: ________________.
32 Hydrothermal deposits in rock near magma produces ore: ________________.
33 Which Eon of earth history was characterized by bacterial life in the oceans that did not require oxygen to live? ________________.
34 The first organisms to evolve the ability to photosynthesize, about 3.5 billion years ago ________________.
35 The kind of oxide ore that forms huge banded iron formations formed during the Archaean Eon________________.
36 Gravitational settling that concentrates minerals occurs inside a ________________.
37 If you can trace the source of the gold found deposited in river beds back to its source, you will find the ________________.
38 In what part of a magma chamber do metallic compounds concentrate? ________________.
39 The kind of oxide ore that forms huge banded iron formations formed during the Archaean Eon ________________.
40 The kind of mineral deposit that forms huge banded iron formations formed during the Archaean Eon ________________.
41 The most common ore of aluminum. There is lots of it in the tropics, formed by secondary enrichment ________________.
42 The fishery in NL is worth about 1 ________________ dollars per year to the provincial economy.
43 Which Eon of earth history was characterized by bacterial life in the oceans that did not require oxygen to live? ________________.
44 Metals in a magma chamber form metallic compounds by bonding with the non-metal ________________.
45 Superheated water near a magma chamber has a greatly enhanced ability to ________________ minerals from the rocks.
46 The second most valuable mine in NL is located here:
47 Water near a magma chamber can be hundreds of degrees celsius but stay liquid because of ________________.
48 When water leaches out minerals from soil and concentrates it in lower layers, or leaves it behind in upper layers ________________.