**Impacts of Mining**

**Fill the Charts according to your text: pages 284-285**

**\*\*\* Go to our class website. Google: Meet the teacher Gellner. Click first link. Click Chapter 8. Here, you’ll find links to the notes, the cookie mining lab, the textbook pages, and links to the videos we watched.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Surface Mining** | | | |
| **Examples** | **Description** | **Pros** | **Cons** |
| **Open-pit mining** |  |  |  |
| **Mountaintop removal** |  |  |  |
| **Placer mining** |  |  |  |

**\*\*Read the background information and the procedure for tomorrow’s cookie mining lab\*\***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Table 25.2** | **Types of Mining Operations and Their Effects** | | | | |
| **Type of operation** | **Effects on air** | **Effects on water** | **Effects on Soil** | **Effects on Biodiversity** | **Effects on Humans** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**Describe the Reclamation Act of 1977**

**What are minerals and how do we use them?**

***Reading:*** Do We Take Minerals for Granted?[*https://prd-wret.s3-us-west-2.amazonaws.com/assets/palladium/production/s3fs-public/atoms/files/mineralsprdoc.pdf*](https://prd-wret.s3-us-west-2.amazonaws.com/assets/palladium/production/s3fs-public/atoms/files/mineralsprdoc.pdf)

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| --- | --- | --- |
|  | **What are some minerals necessary for…** | |
| **Cars** |  | |
| **Electricity** |  | |
| **Cell phones** |  | |
| **Windows** |  | |
| **Plumbing** |  | |
| **Faucets** |  | |
| **Baseball diamonds and tracks** |  | |
| **Fertilizers** |  | |
| What are three recent mineral-related environmental issues that the MRP has submitted research on? (bottom of p.3)  **1.**  **2.**  **3.** | | |
| What two categories of commodities are identified as being the most critical? (p.6) | | 1.  2. |