

Minerals & Uses

Memory Matching Game

Instructions

- 1 Print out the tile pages two-sided with the flip edge set as the **short edge**.
- 2 Cut out the tiles.
- 3 Shuffle the tiles and spread them out with the **mineral names** and **uses** sides down.



Mineral commodity or ore mineral name

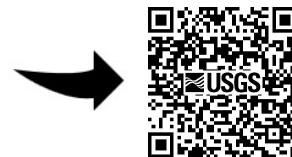
Element(s) for which the mineral is mined, if applicable

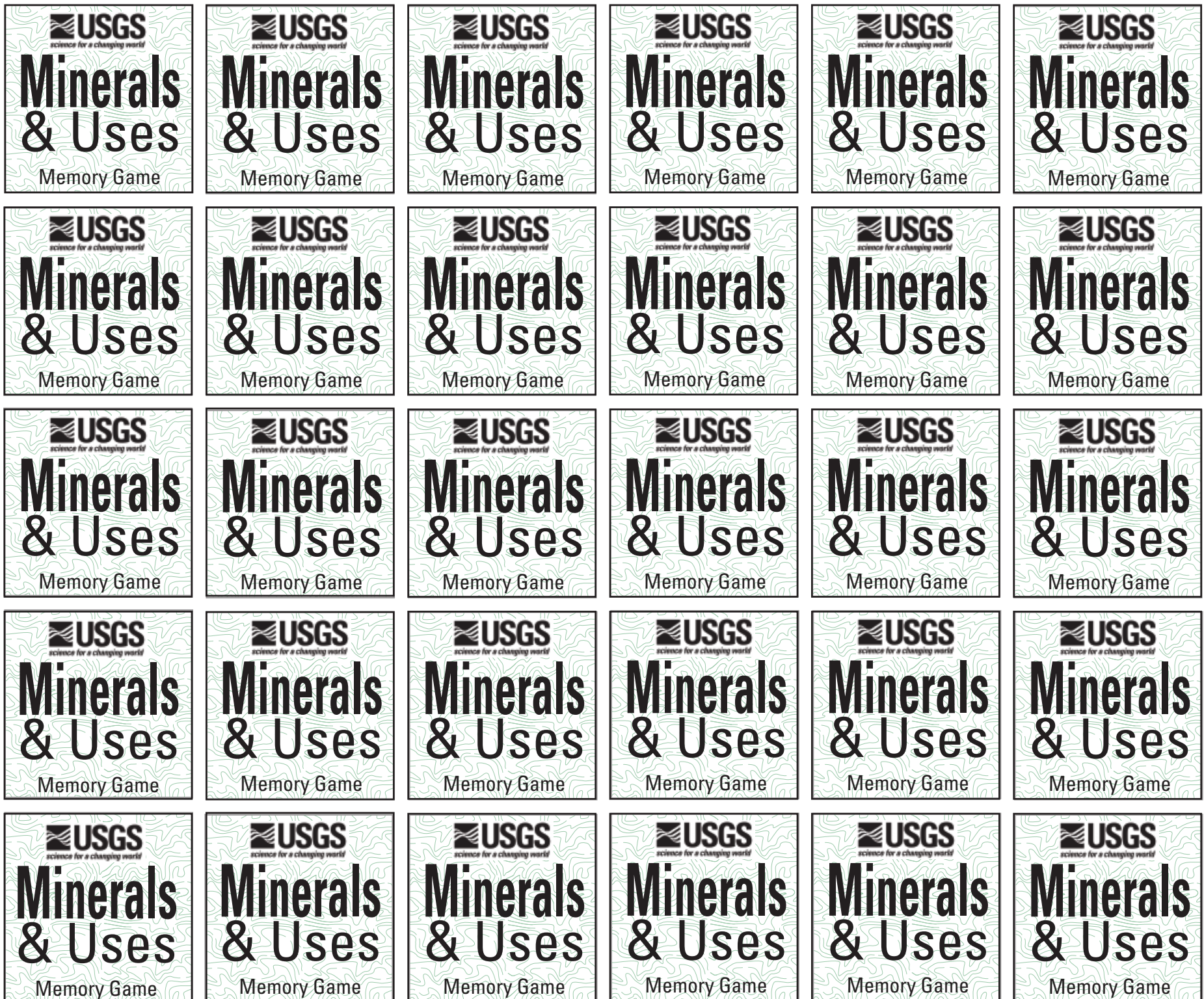
- 4 Players take turns to turn over two tiles, searching for the mineral and uses pair that has the same background image. If the tiles are a match, the player keeps the matching pair and takes another turn. If the tiles are not a match, the tiles are turned back over and it is the next players turn.
- 5 The game continues until all tiles have been matched. The player with the most pairs wins the game.

Reference

U.S. Geological Survey, 2025, Mineral commodity summaries 2025 (ver. 1.2, March 2025): U.S. Geological Survey, 212 p., <https://doi.org/10.3133/mcs2025>

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 <p>Garnet</p>	 <p>Mica</p>	 <p>Barite</p>	 <p>Uses sandpaper water filtration jewelry</p>	 <p>Uses cosmetics paint circuit boards</p>	 <p>Uses oil and gas drilling fluid X-ray contrast medium paint</p>
 <p>Cassiterite Tin</p>	 <p>Chalcopyrite Copper</p>	 <p>Chromite Chromium</p>	 <p>Uses solder in electronics food storage cans bronze</p>	 <p>Uses plumbing electrical wires brass instruments</p>	 <p>Uses stainless steel yellow road paint dental tools</p>
 <p>Feldspar</p>	 <p>Quartz</p>	 <p>Sphalerite Zinc Germanium Indium</p>	 <p>Uses ceramics glass filler (paint, paper)</p>	 <p>Uses glass watches fiber optics</p>	 <p>Uses sunscreen night vision goggles LCD displays</p>
 <p>Bauxite Aluminum Gallium</p>	 <p>Fluorspar</p>	 <p>Graphite</p>	 <p>Uses LED lights airplane parts beverage cans</p>	 <p>Uses hydrofluoric acid toothpaste telescope lenses</p>	 <p>Uses lithium batteries brake linings lubricants</p>
 <p>Pentlandite Nickel</p>	 <p>Talc</p>	 <p>Gypsum</p>	 <p>Uses superalloys rechargeable batteries prosthetic limbs</p>	 <p>Uses deodorant plastics paper</p>	 <p>Uses drywall soil additive cement</p>