**🧩 Activity 3: Matching Game – “Water for Every Use”**

**🎙️ Activity Introduction**

"Different types of water are better suited for different tasks. Some are rich in minerals, while others are better for washing. Let us find the best match! Can you pair each household use with the right type of water?"

**🛠 Developer Guide Instructions**

* **Interface:** Provide a clean drag-and-drop interface with two labelled categories:  
  🟩 **Hard Water**  
  🟦 **Soft Water**
* **Draggable Items:**
  + Drinking
  + Laundry
  + Bathing
  + Cooking
  + Gardening
* Each correct match triggers a **✅ icon** and correct facilitative feedback.
* Each incorrect match triggers a **❌ icon** and incorrect facilitative feedback.
* Allow retry after incorrect attempts.
* Unlock completion animation when all matches are correct.

**🖥 Learner Instructions (On-Screen)**

* "Drag each household use to the correct water type category."
* "Think about the benefits or disadvantages of each water type."
* "You may try again if you make a mistake."

**💡 Hints (On-Screen)**

* "Hard water contains calcium and magnesium minerals."
* "Soft water lathers easily and prevents scum buildup."
* "Some uses require minerals, others need soap efficiency."

**📋 Activity Content – Matching Pairs and Feedback**

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| --- | --- | --- | --- |
| **Use** | **Correct Match** | **✅ Correct Facilitative Feedback** | **❌ Incorrect Facilitative Feedback** |
| 🍶 Drinking | 🟩 Hard Water | "Yes. Hard water contains minerals like calcium that are beneficial to health." | "Try again. Soft water lacks important minerals needed in drinking water." |
| 👕 Laundry | 🟦 Soft Water | "Correct. Soft water allows soap to lather better and avoids stains on clothes." | "Not quite. Hard water reacts with soap, forming scum and using more detergent." |
| 🚿 Bathing | 🟦 Soft Water | "Well done. Soft water feels gentle on skin and does not cause soap buildup." | "Recheck. Hard water often causes dryness and scum during bathing." |
| 🍲 Cooking | 🟩 Hard Water | "Yes. Using hard water in cooking supplies essential minerals in food." | "Try again. Cooking with soft water may remove important dietary minerals." |
| 🌿 Gardening | 🟩 Hard Water | "Right! Plants benefit from the minerals in hard water, especially calcium and magnesium." | "Oops. Soft water lacks nutrients that help plants grow." |

**🎙️ Activity Conclusion**

"Excellent judgment! You matched each task to the right water type. Knowing which type to use makes daily life healthier, easier, and more efficient."

**✅ Key Takeaways:**

* **Hard water uses:** Drinking and cooking (mineral benefits), preventing lead pipe corrosion.
* **Soft water uses:** Washing clothes, bathing, cleaning, and hot water systems (avoids scale).
* **Soft water advantages:** Saves soap, prevents staining, gentler on skin/hair.
* **Knowledge of water type** helps select the right water for tasks and reduce costs/damage.