**💧 Activity 3: “Pure or Impure?” – Image Sorting**

**🎙️ Activity Introduction *(Mic Icon)***

“Drag each water sample into the correct category: Pure or Impure. Pure water must be colourless, clear, odourless, and free of particles.”

**👨‍💻 Developer Guide Instructions**

* **Type:** Drag-and-Drop Categorisation Game
* **Learning Objective:**
  + Identify physical signs that distinguish pure water from impure water using real-world images
  + Classify water samples correctly based on appearance and source clues
* **Icons:** ✅ ❌ 💦 🔍
* **Media Tags:**
  + [🖼️ High-resolution images: clear drinking water, muddy puddle, tinted tap water, rainwater, jar with debris]
  + [🎧 SFX: Water drop click, snap-to-sort bin]
* **Build Notes:**
  + Create two sorting bins: **PURE WATER ✅** and **IMPURE WATER ❌**
  + Display draggable cards or tiles with water sample photos
  + Each image triggers a text bubble with facilitative feedback upon drop
  + Sorting bin accepts correct images and provides subtle animation (green glow or red shake)
  + Optional: Show a “sorted checklist” completion tracker with tick marks for each correct match

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

1. Drag each image card into **PURE WATER** or **IMPURE WATER**.
2. Read the feedback bubble after each drop.
3. Continue until all images are sorted.

**💡 Hint (On-Screen)**

“Pure water must be colourless, clear, odourless, and free of particles.”

**🖼️ Images to Sort with Feedback**

| **Image** | **Category** | **Feedback** |
| --- | --- | --- |
| Clear glass of water | ✅ Pure Water | “Correct! This is transparent with no particles — a sign of pure water.” |
| Cloudy or murky water | ❌ Impure Water | “This sample is cloudy — suspended particles make it impure.” |
| Blue-tinted water | ❌ Impure Water | “Water should be colourless. This blue tint shows added substances.” |
| Rainwater | ✅ Pure Water | “Yes! Freshly collected rainwater is a natural form of soft, pure water.” |
| Water with floating debris or particles | ❌ Impure Water | “Those floating bits are signs of contamination. This is not pure water.” |

**🎙️ Activity Conclusion *(Mic Icon)***

“Well done! You have successfully identified key visual clues to distinguish pure water from impure. Knowing this helps you stay safe when choosing water for drinking or experiments.”