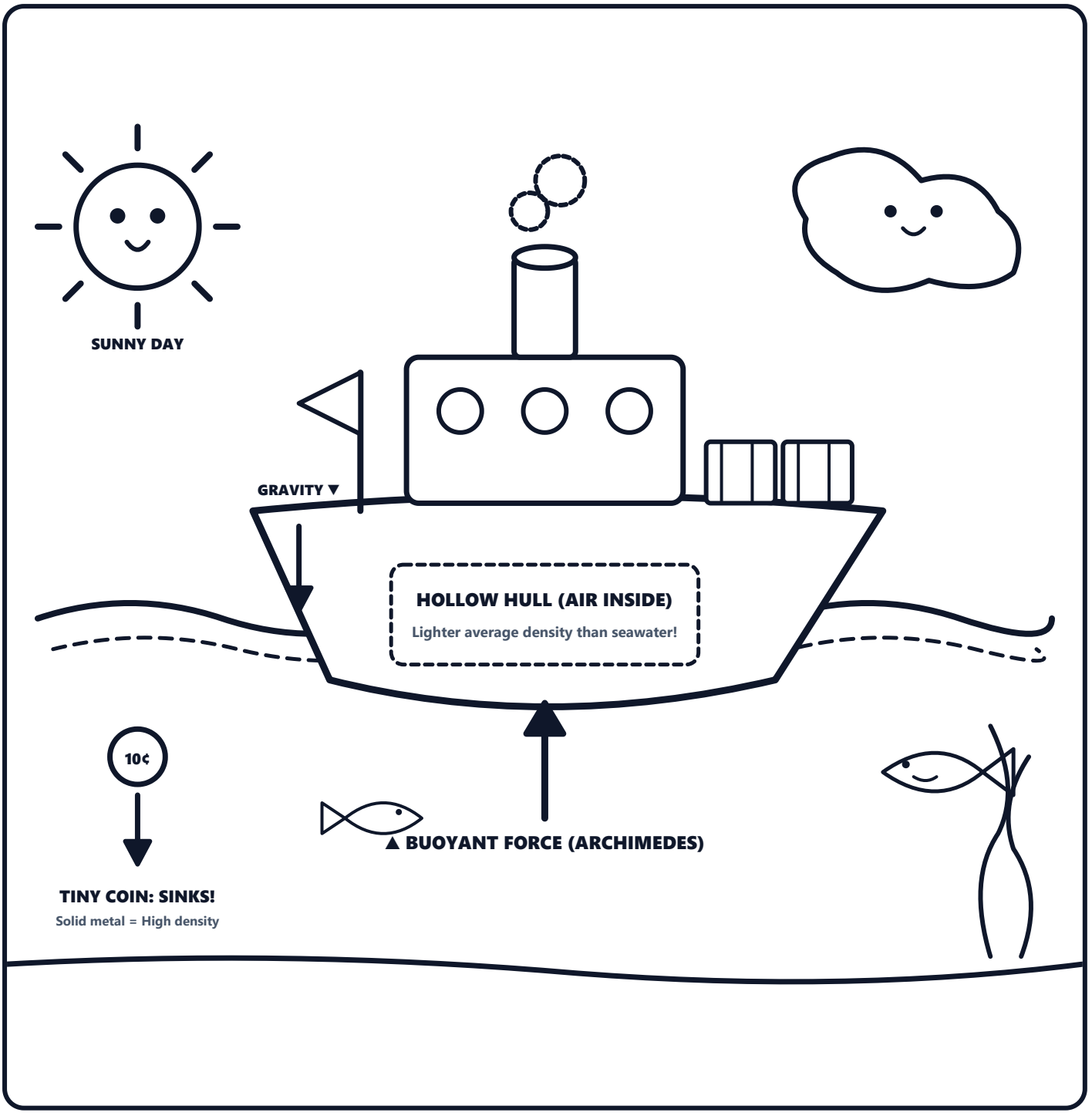
ARCHIMEDES BOAT EXPERIMENT & COLORING SHEET

Why giant steel ships float while tiny coins sink! (Archimedes Principle)

LEVEL: GRADE K-5 • FUN PHYSICS



VOCABULARY TRACING PRACTICE (FOLLOW THE DOTS) — **PRINTABLE WORKSHEET**

A R C H I M E D E S B U O Y A N C E T F O R H O L L O W H U L L

Great Ancient Scientist	Upward push of water	Filled with light air

MASTER CAPY'S WISDOM OF THE EMPTY BOAT:

1. A solid lump of steel sinks because its density is greater than water.
2. When shaped into a **hollow bowl**, the ship displaces a huge volume of water, creating a powerful buoyant force that lifts it up!
3. "*Keep an open, humble mind like an empty boat — life will carry you above every storm!*"

HOME EXPERIMENT:

- Take clay or play-dough.
- Roll into a ball -> Drops into water: **SINKS!**
- Flatten & shape like a small boat bowl -> **IT FLOATS!**