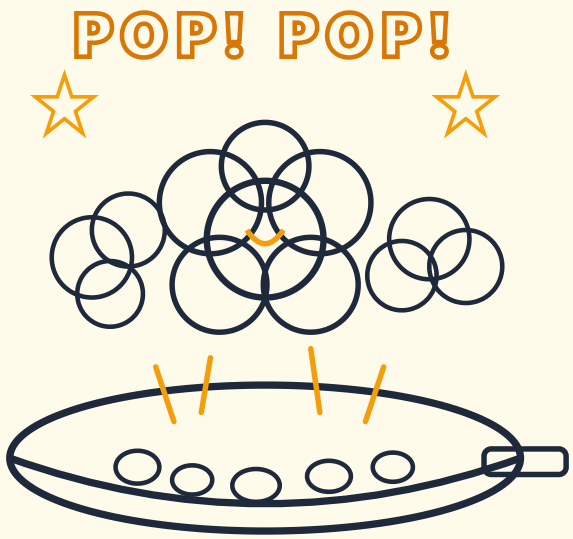
Name: _____ Date: __/__/2026

THE SECRET OF POPPING CORN (POPCORN SCIENCE)

Color the popping corn kernels, trace science words, and discover the 180°C steam pressure secret!

COLORING & CREATIVE ART



1. WORD TRACING

POPCORN
Puffed corn snack

PERICARP
Hard airtight hull

PRESSURE
9 ATM steam force

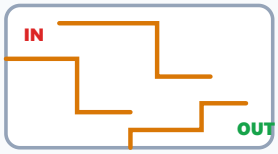
2. SCIENCE SECRETS

1. Trapped Moisture: Each kernel traps 14% water tightly inside its hard hull.

2. 180°C Steam: At 180°C, steam expands violently up to 9 atmospheres!

3. 40x Expansion: The hull bursts, starch turns inside out into a fluffy cloud.

3. POPCORN MAZE CHALLENGE



Guide the kernel through the hot pan to pop into cloud!

Master Capy: "Patiently gather inner strength, and every trial will bloom!"