

UNIT: FIRST AID

MYSTERY MATERIAL MATCH!

GOAL:

Investigate mystery materials from a first aid kit and figure out which one is best for which job—cleaning, covering, or sticking! You'll use your senses and tools to compare texture, absorbency, and stickiness.

MATERIALS:

- ✓ Cotton ball
- ✓ Gauze pad
- ✓ Alcohol wipe (dry/unused)
- ✓ First aid tape
- ✓ Fabric adhesive bandage
- ✓ Magnifying glass
- ✓ Tweezers
- ✓ Water dropper
- ✓ Paper towel (for drying off)

STUDENT DIRECTIONS:

1. **Set up your station:**

Place all five mystery materials in front of you. Use the tweezers to handle them if needed.

2. **Observe each material's texture:**

- Use your **hands** and the **magnifying glass**.
- Is it soft? Scratchy? Smooth? Sticky?
- Record your texture description in the chart.

2. **Test water absorbency:**

- Use the **water dropper** to place 1–2 drops of water on each material.
- Watch what happens—does it soak in quickly, slowly, or not at all?
- Mark “Yes” or “No” for water absorbency in your chart.

3. Match each material to a first aid job:

Think like a scientist! Ask yourself:

- Which one is best for cleaning a cut?
- Which one sticks and stays in place?
- Which one covers or protects the wound?

4. Complete your chart below.

Be ready to share your choices and your reasoning!

Record It:

Material	Texture (what does it feel/look like?)	Absorbs Water?	Best Job in First Aid?
Cotton Ball		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Gauze		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Alcohol Wipe (dry)		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Tape		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Fabric Bandage		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Think & Reflect:

- What clues helped you figure out what each material is best used for?

- Why is it important for first aid materials to have different properties?

Wrap-Up Reflection:

- Which bandage or material would you choose in a real emergency? Why?

- What happens when you cool a “burn”? Can all changes be undone?

- What makes a first aid material good for the job?

STANDARDS ALIGNMENT

NGSS: 5-PS1-3 **STEL:** STEL 1A, STEL 4A, STEL 7A, STEL 8A **CCSS:** CCSS.MATH.CONTENT.5.MD.A.1, CCSS.MATH.PRACTICE.MP2, CCSS.MATH.PRACTICE.MP5, CCSS.MATH.PRACTICE.MP6