

| Period: | Name:   |  |
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|         | Period: |  |

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.
- o 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.
- o Watch what happens—does it soak in quickly, slowly, or not at all?
- o Mark "Yes" or "No" for water absorbency in your chart.



| Name:   |  |
|---------|--|
| Period: |  |
|         |  |

# 3. Match each material to a first aid job:

Think like a scientist! Ask yourself:

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

# 4. Complete your chart below.

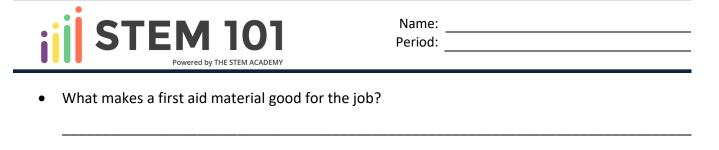
Be ready to share your choices and your reasoning!

# **Record It:**

| Material           | Texture (what does it feel/look like?) | Absorbs Water? | Best Job in First Aid? |
|--------------------|--|----------------|------------------------|
| Cotton Ball        |  | ☐ Yes ☐ No     |                        |
| Gauze              |  | ☐ Yes ☐ No     |                        |
| Alcohol Wipe (dry) |  | ☐ Yes ☐ No     |                        |
| Tape               |  | ☐ Yes ☐ No     |                        |
| Fabric Bandage     |  | ☐ Yes ☐ 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?           |
| Jp 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?                     |
| ,   |



## 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