

## Pathology Class 3:

### Healing & Recovery – Why Some Wounds Don't Heal

#### Pre-Assessment Quiz: Pathology Week 3 (Ages 6-9 years old)

##### ANSWER KEY

1. When you get a cut, what is the FIRST thing your body tries to do?
  - a) **Stop the bleeding**
  - b) Make a scar
  - c) Grow new skin right away
  - d) Make a bruise
2. After the bleeding stops, the body sends in a “clean-up crew.” What might you see then?
  - a) The skin turns blue
  - b) **Redness and swelling**
  - c) Hair growth
  - d) The cut disappears instantly
3. Healing happens in steps. Which answer best describes healing?
  - a) It happens all at once like magic
  - b) Only doctors can make it happen
  - c) **It happens in stages over time**
  - d) It never changes after day one
4. Regeneration means:
  - a) A bandage is added
  - b) A scab falls off
  - c) A big scar forms
  - d) **The body fixes it like new**
5. Fibrosis (scarring) is more like:
  - a) **Putting a patch over a hole**
  - b) Growing brand new skin exactly the same
  - c) Making extra blood
  - d) Turning into bone
6. Which organ is best at growing back after damage (like a starfish idea from class)?
  - a) Heart
  - b) **Liver**
  - c) Brain
  - d) Kidney

7. Some cell death is actually healthy and helpful. Why?
  - a) It makes you taller
  - b) It creates scars
  - c) **It helps separate fingers and toes before birth**
  - d) It stops all healing
  
8. Tendons and cartilage usually heal:
  - a) Very fast
  - b) Instantly
  - c) **Slowly**
  - d) Not at all ever
  
9. Bones usually heal better than tendons because bones have:
  - a) No cells
  - b) Less movement
  - c) Thicker skin
  - d) **More blood supply**
  
10. Which statement is TRUE about healing?
  - a) Only skin can heal
  - b) **Different body parts heal at different speeds**
  - c) Everything heals the same way
  - d) Scars are always as strong as original tissue

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### Home Activity – ANSWER KEY

#### Fix Like New or Patch? 🍌

Circle the ones that are more like **FIX LIKE NEW (regeneration)**

Put an X on the ones that are more like **PATCH (scar/fibrosis)**

- Replacing a missing LEGO with the same LEGO
- Covering a hole with glue
- Growing new healthy skin cells
- Thick scar lump
- Liver regrowing tissue
- Duct tape over a tear

#### Label the Injury Type to the Example 🏃

Choose: Sprain, Strain, or broken bone

- Twisted ankle → **SPRAIN**
- Pulled muscle → **STRAIN**
- Bone fracture → **BROKEN BONE**
- Tennis or golfers' elbow → **STRAIN**
- Frozen shoulder → **STRAIN** (primarily tendons)
- Cracked rib → **BROKEN BONE**
- Twisted knee during soccer → **SPRAIN** (primarily ligaments)
- Jammed Finger → **SPRAIN**