**Learning Activity 3F: THE CYTOSKELETON**

Identify the following structures of the cytoplasm: *microtubule, microfilament, and intermediate filament.*





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Match each description with the appropriate cytoskeleton structure.

A. microfilament

B. intermediate filament

C. microtubule

\_\_\_\_ support finger-like projections of the plasma membrane called microvilli

\_\_\_\_ formed from the protein tubulin

\_\_\_\_ attach neighbouring cells to one another

\_\_\_\_ are a component of muscle cells and play a role in muscle contraction

\_\_\_\_ stabilize the position of organelles within the cell

\_\_\_\_ formed from the proteins actin and myosin

\_\_\_\_ allow the movement of white blood cells into tissues to fight infection

\_\_\_\_ strengthen cells exposed to stretching

\_\_\_\_ structural component of cilia, flagella, and centrioles

\_\_\_\_ maintain cell shape

\_\_\_\_ guide the movement of vesicles and other organelles within the cell