CONCEPT: TYPES OF SOLID CULTURE MEDIA

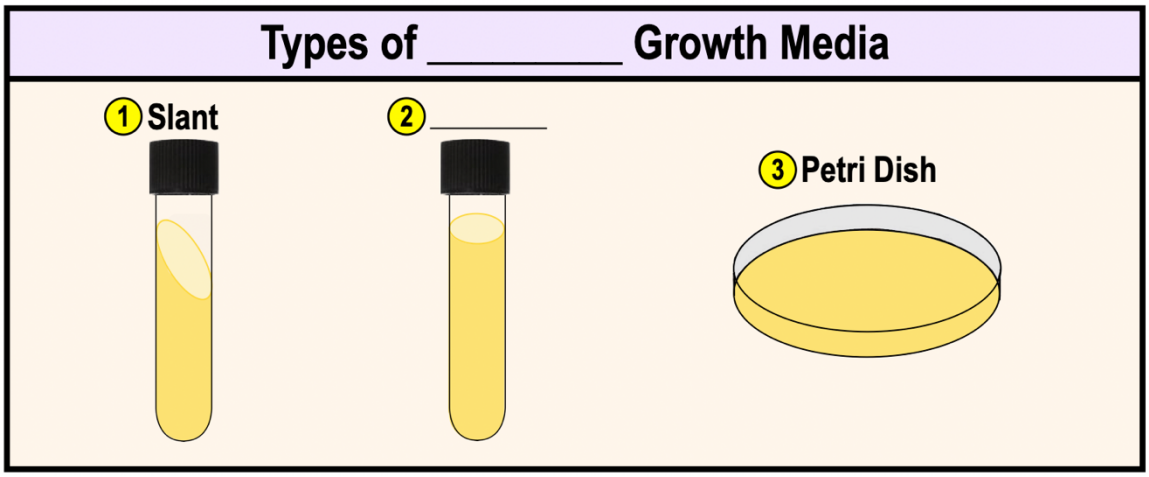
●Solid media is commonly used to culture microbes, which requires the addition of the solidifying agent *agar*.

□ _____**:** polysaccharide extracted from marine algae used to *solidify* liquid media (broth).

●Agar is usually contained in 1 of 3 ways:

1. _____**:** agar in test tubes solidified at an _____ creating a large surface area for growth.
2. **Deeps:** agar solidified _____ in a test tube.
3. _____ **dishes (AKA plates):** agar in shallow plastic plates

□ All require a lid to prevent *contamination* of other microbes.



●When using Petri dishes, researchers often isolate colonies of bacteria using the *streak-plate* method.

PRACTICE: The solidifying agent used most successfully in bacterial nutrient media is

a) Gelatin.
b) Peptone.
c) Agar.
d) Starch.

PRACTICE: Agar:

a) Can be a solid medium used to grow many species of bacteria.
b) Can be solidified in many different vessels, including a petri dish.
c) Is a polysaccharide mixture extracted from marine algae.
d) Has chemical and physical properties that make it ideal for solidifying media.

All of the above.