

## Cannabis Formulation Course Quiz

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1. What is the process of decarboxylation?
  - a) Removing water
  - b) Adding water
  - c) Removing an acidic group
  - d) Removing ammonia
  
2. Which of these is psychoactive?
  - a) THC
  - b) THCA
  - c) CBD
  - d) CBDA
  
3. Emulsifiers can be
  - a) Non-ionic
  - b) Cationic
  - c) Anionic
  - d) All of the above
  
4. What does a refractometer measure?
  - a) Soluble solids
  - b) Temperature
  - c) pH
  - d) acidity
  
5. What level of THC is considered legal according to the 2018 Farm Bill?

- a) 1.0%
- b) 0.25%
- c) 0.05%
- d) 0.03%

6. Which is a terpene?

- a) Myrcene
- b) Glyceryl stearate
- c) Polysorbate 80
- d) Isopropanol

7. What are the cannabis resin glands called?

- a) Xylem
- b) Trichomes
- c) Chloroplasts
- d) Lysosomes

8. Lecithin is \_\_\_\_\_ and this property makes it a good emulsifier.

- a) Ionic
- b) Cationic
- c) Amphiphilic
- d) Anionic

9. A salad dressing is an example of a \_\_\_\_\_ emulsion

- a) w/o
- b) o/w
- c) w/o/w
- d) o/w/o

10. What HLB value would Polysorbate 80 have?
- a) 3
  - b) 6
  - c) 10
  - d) 15
11. What is the most compactible filler for tablets & capsules?
- a) Cellulose
  - b) MCC
  - c) Lactose
  - d) Dicalcium Phosphate
12. When making a skin cream, which are important parameters to measure?
- a) Temperature of the oil phase
  - b) Temperature of the water phase
  - c) pH
  - d) All of the above
13. Gelatin is a \_\_\_\_\_.
- a) Carbohydrate
  - b) Fat
  - c) Fiber
  - d) Protein
14. What would be a desirable Brix for a gummy?
- a) 30
  - b) 45
  - c) 60
  - d) 78

15. What temperature does gelatin start to harden?
- a) 80F
  - b) 25F
  - c) 60F
  - d) 5F
16. What could be considered a good level of emulsifier(s) to add to the oil phase?
- a) 5%
  - b) 10%
  - c) 15%
  - d) 35%
17. Which is a source of industrial hemp?
- a) *Cannabis sativa*
  - b) *Cannabis indica*
  - c) *Cannabis ruderalis*
  - d) *Cannabis alba*
18. Which can replace gelatin in gummies?
- a) Guar gum
  - b) Xanthan gum
  - c) Pectin
  - d) Carboxymethylcellulose
19. Which type of product is also termed pollen?
- a) Kief
  - b) Shatter
  - c) Rosin
  - d) Distillate

20. Which process uses a combination of heat/pressure to squeeze out a sap?
- a) Shatter
  - b) Kief
  - c) Rosin
  - d) Distillate