

Chemistry - 12th Class Chemistry Chapter 15 Short Questions Preparation

Q1. Give an idea about Clinker.	
Ans 1: The resulting product obtained from the kiln is known as cement clinker, This has the appearance of greenish black or greenish bl	еу
Q2. What are the common bleaching agent used in paper industry in Pakistan?	
Ans 1: IN Pakistan ,bleaching is done with chlorine dioxide or sodium hypochlorite and hydrogen peroxide.	

Q3. How clinker is converted into cement?

Ans 1: The cement clinker are air cooled and groud with required of gypsum into fine powder.

Q4. Write the important qualities of a good fertilizer?

Ans 1: The nutrient elements present in it must be readily available to the plant. It must be fairly soluble in water so that it thorough mixes with the soil. It should be cheap. It should not be injurious to plant. It must be stable so that it is available for a longer time to the growing plant.

Q5. Give percentage of nitrogen in urea ,ammonium nitrate,hydrogen phpsphate.

Ans 1: Percentage on nitrogen in Urea is 46% Percentage of nitrogen in ammonium nitrate =33-33.5% Percentage if nitrogen in Diammonium hydrogen phosphate=16%

Q6. Write down th formula of the Superphosphate and triple phosphate?

Ans 1: Superphosphate :Ca(H₂PO₄)₂

triple phosphate: (NH₄)_{2HPO4}

Q7. What do you mean by calcareous material and argillaceous material; used for the manufacturing of cement?

Ans 1: Calcarious material:(Limestone, marble ,chalks, marine shell) as source of CaO.

Argillaceous material:Argillaceous material (clay,slate,shale,blast,furnace)they provide acidic components such as aluminates and silicates.

Q8. Enlist the step involved in the manufacturing of urea?

Ans 1: Following are the steps included in manufacturing of urea.

- 1. Preparation of hydrogen
- 2. Preparation of ammonia
- 3. Preparation of Ammonium carbamate
- 4. Prilling
- 5. Concentration of Urea

Q9. Brief about prilling of urea?

Ans 1: The molten urea is sprayed at the prilling tower by means of prilling bucket where it is cooled by the air rising upward, Molten droplets solidify into the form of prills, Urea prills thuis produced are either sent to the bagging section or to the bulk storage.

Q10. Just write five stage in the manufacturing of Portland Cement?

Ans 1:

- 1. Crushing and Grinding
- 2. Mixing of the raw material
- 3. Heating the slury in a Rotary Kiln
- 4. Clinker formation
- 5. Grinding the clinker with gypsum.