## **Total Parenteral Nutrition**

## Student Worksheet

Purpose:	
Indications for u	ise:
Disadvantages:	
Components & T Water	Types of Solutions:
Dextrose:	Carbohydrates provided in this form. RDA: 50-100 grams/day to prevent ketosis Provides 50-60% of total daily caloric needs

Protein: Provides essential & nonessential amino acids

RDA: 0.8 grams/kg. of desirable body weight for adults or about 44 grams for

women & 56 grams for men Provides 10-20% of total daily calorie needs

\*Negative nitrogen balance occurs when excretion of protein is greater than intake. Undesirable state that occurs in starvation or with surgery, illness etc.

\*Concentration of Dextrose in solution determines whether it is isotonic and can be given through a peripheral vein, or hypertonic and must be given through a central

Commonly used solutions are Freamine or Aminosol 10%

SEE ATTACHMENT Vitamins: **Trace Elements: SEE ATTACHMENT** 

sometimes Heparin (prevents fibrin buildup on catheter tip) or Insulin (metabolizes Medications:

glucose in solution) are added to solution.