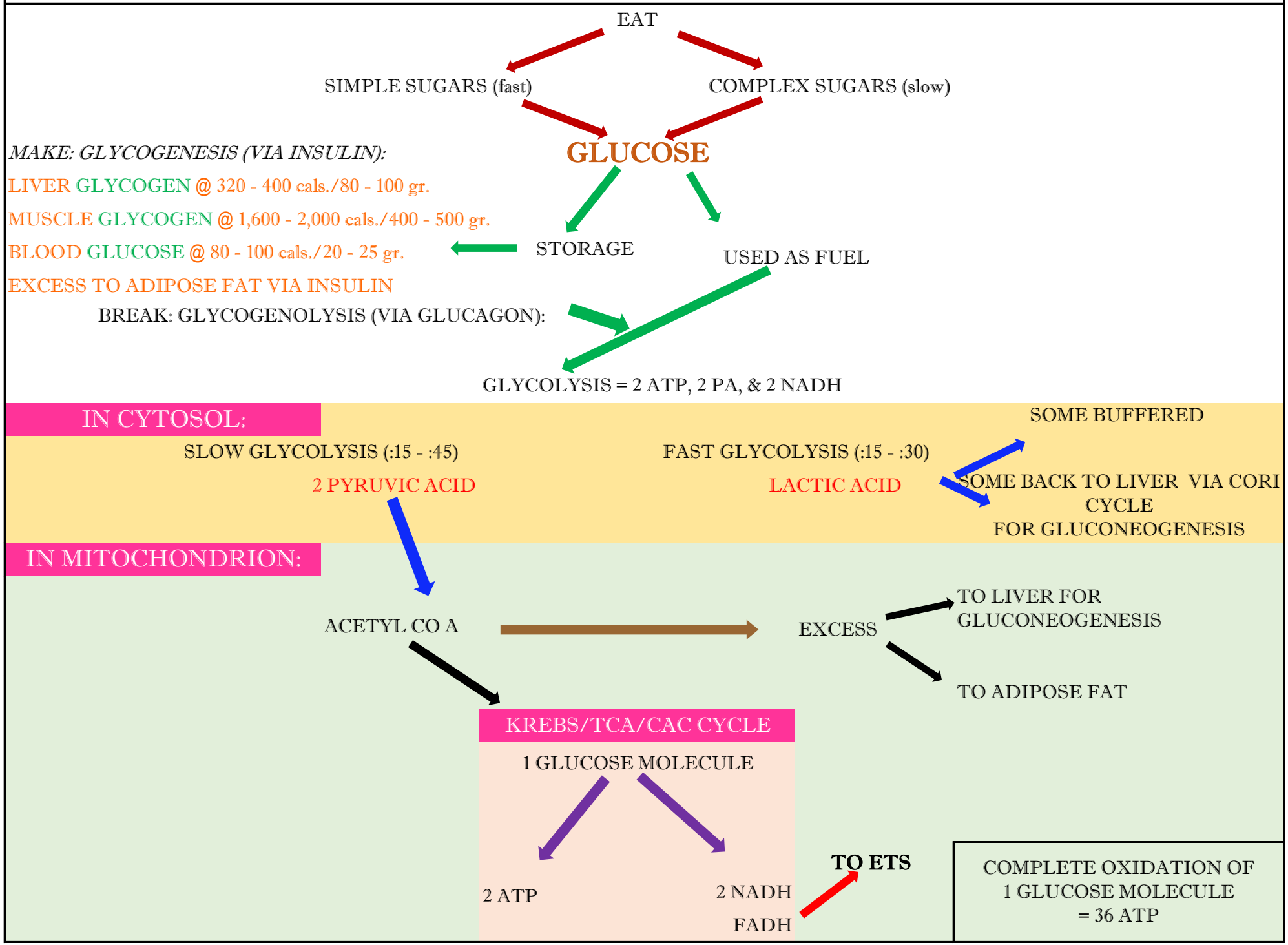CARBOHYDRATE METABOLISM OVERVIEW