NAME: OBERIKO OGHENERUNO FAVOUR

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DEPARTMENT: NURSING

COLLEGE: MHS

COURSE: PHYSIOLOGY

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QUESTION: Write a short note on the characteristics (and components) of urine

ANSWER

CHARACTERISTICS

Physical characteristics that can be applied to urine include color, turbidity (transparency), smell (odur), PH (acidity-alkalinity) and density.

Note that:

\* Normal urine colour ranges from pale yellow to deep amber.

\* With dehydration urine is more concentrated and may have a stronger ammonia scent than normal.

\* Normal urine PH is slightly acidic, with usual values of 6.0 to 7.5, but the normal range is 4.5 to 8.0 .

\* Ideally, urine specific gravity results will fall between 1.002 and 1.030, if your kidneys are functioning normally. Specific gravity results above 1.010 can indicate dehydration.

COMPONENTS

Components of urine include:

* Electrolytes such as sodium, potassium, calcium, magnesium and chloride.
* Nitrogenous chemicals such as urea and creatinine
* Vitamins
* Hormones
* Organic acids such as uric acid
* Other organic compounds
* Water

Chemical composition of urine may also include:

* 0.05% Ammonia
* 0.18% Sulphate
* 0.12% Phosphate
* 0.6% chloride
* 0.01% Magnesium
* 0.015% calcium
* 0.6% Potassium
* 0.1% Sodium
* 0.1% Creatinine
* 0.03% uric acid
* 2% urea
* 95 % water.

THE END.