

NAME: IKEMEFUNA DUMEBI

MATRIC NUMBER: 18/MHS02/092

LEVEL: 200LVL

DEPARTMENT: NURSING SCIENCE

COURSE: PHS 212 (PHYSIOLOGY)

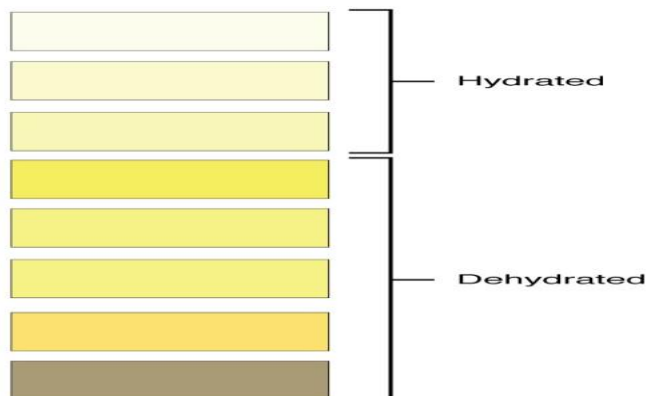
QUESTIONS

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

ANSWERS

CHARACTERISTICS OF URINE

Color	Pale yellow to deep amber
Odor	Odorless
Volume	750–2000 mL/24 hour
pH	4.5–8.0
Specific gravity	1.003–1.032
Osmolarity	40–1350 mOsmol/kg
Urobilinogen	0.2–1.0 mg/100 mL
White blood cells	0–2 HPF (per high-power field of microscope)
Leukocyte esterase	None
Protein	None or trace
Bilirubin	<0.3 mg/100 mL
Ketones	None
Nitrites	None
Blood	None
Glucose	None



URINE COLOUR CHART

COMPONENTS OF URINE

Urine is an aqueous solution of greater than 95% water, with a minimum of these remaining constituents, in order of decreasing concentration:

- Urea 9.3 g/L.
- Chloride 1.87 g/L.
- Sodium 1.17 g/L.
- Potassium 0.750 g/L.
- Creatinine 0.670 g/L.
- Other dissolved ions, inorganic and organic compounds (proteins, hormones, metabolites).