



UNIVERSITY OF
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The Paperfuge: Quiz Answers

- 1) What are the three main considerations when designing a product or process?

Safety.....

Performance.....

Cost.....

- 2) Identify two examples for the use of centrifuges.

- ☒ Removing solids from liquids
- ☐ Separating solids based on size
- ☐ Analysing the contents of a sample
- ☒ High-G training

- 3) True or false. Stokes' law can be used to help determine whether a separation requires a centrifuge.

- ☒ True
- ☐ False

4) How can a centrifuge be used in the diagnosis of disease?

- ☐ Analyse a blood sample
- ☒ Separate diseased cells from healthy cells
- ☐ Measure the amount of cells in a sample

5) What causes the separation of a mixture or suspension in a centrifuge?

- ☒ Density
- ☐ Mass
- ☐ Volume

6) What are the benefits of continuous operation in a chemical manufacturing process?

- ☐ Cheaper
- ☒ Reduced waste
- ☐ More flexible

7) True or false. A centrifuge is used where the particles are dense enough to separate out under gravity.

- ☐ True
- ☒ False