

Question 1

Requirements of material properties are

- Needs to be air tight to protect the food from atmospheric ~~water~~ water vapour
- Resistant to environment, to be able not loose the air tight seal and expose the food
- Non Reactive, any reactions might spoil the food
- Non toxic to health
- Cheap to manufacture

Potential material choices

② Glass - • glass could be a very good choice because it ~~is~~ doesn't react with the atmosphere, it is recyclable ~~if~~ therefore the packaging can be reused

- The cost is dependant ^{on} the value of the seal
- the glass can be hermetically ~~seal~~ sealed to

Plastic

- Plastics can be ~~sustainable~~ sustainable due to the fact that we can recycle them, ~~and~~
- very light ~~and~~ ~~transportation~~ making the transportation efficient, example of this would be a flat less fuel would be used comparing to glass packaging
- can be hermetically sealed