1. Annotate the diagram with key features of the process such as:

* mass transport of materials (e.g. ventilation of larger bronchioles, blood flow)
* diffusion in / out of alveoli / smaller bronchioles (fast) in air
* maximising diffusion gradients across alveolar membrane
* minimising diffusion distance from alveolar air to blood plasma and cells so that slow diffusion in liquid is not a problem
* arrows indicating direction of exchange of oxygen and carbon dioxide
* Add any of these features that are not already on the diagram.

1. Produce a written account of the features that are present to maximise the efficiency of gas exchange.
2. Describe the process of gas exchange between air in the alveoli and the blood;

