

Question	Marking Guidance	Mark	Comments
01.1	1. Chemoreceptors detect rise in CO_2/H^+ /acidity/carbonic acid/fall in pH OR Baro/pressure receptors detect rise in blood pressure; 2. Send impulses to cardiac centre/medulla; 3. More impulses to SAN; 4. By sympathetic (nervous system for chemoreceptors/ CO_2) OR By parasympathetic (nervous system for baro/pressure receptors/blood pressure);	4	1. Ignore: location of receptors. 1. Ignore: chemoreceptors detect oxygen. 2 and 3. Accept: action potentials. 2. Reject: 'messages', 'signals', 'an impulse' or an 'action potential'. 3. Ignore: messages', 'signals', 'an impulse' or an 'action potential' as emphasis here is on increase in frequency.
01.2	1. Less/no malonyl-CoA; 2. (More) fatty acids transported/moved into mitochondria; 3. Respiration/oxidation of fatty acids provides <u>ATP</u> ;	3	1. 'Inhibition of malonyl-CoA' on its own is not enough but accept production of malonyl-CoA is inhibited. 2. Accept: 'transport of fatty acids into mitochondria is not inhibited'. 2. Ignore: method of entry. 3. Accept: for respiration any stage of aerobic respiration e.g. Krebs (cycle), link (reaction) etc. 3. Reject: production of energy, but accept production of energy in the form of <u>ATP</u> . 3. Accept: acetyl CoA can enter Krebs cycle/mitochondria to provide ATP.