

A CHEMICAL LABORATORY



*A Chemical Lab on six legs
and only 30mm long*



By evolution or an amazing God?

This beetle goes by the name of The Bombardier Beetle and he or she sure can 'bomb' their way out of trouble. How? It can direct a spray of a hot, near boiling, nasty liquid at any enemy, and it makes this hot chemical inside its own body. I can direct the spray in many directions – not just once but many times!!

This is an insect about 30mm long (some are larger). The chemicals: it can move the two chemicals into a chamber inside its body and then squirt it out at an enemy, or maybe at a predator who wants to eat it. Very dangerous to try that!

This truly amazing insect must be unique (one only of a kind) in the world that can squirt a hot, nasty spray –from such a tiny creature.

Question for you: "Did this beetle happen, over many years of 'Evolution', become a 'mobile chemical laboratory'; or did a very creative, intelligent being (our God) make it along with the creation of all creatures?" If 'Evolution' is a bit-by-bit, step-by-step series of adaptations to a different environment then there must be no room for a wrong, or dangerous mix of chemicals because it could easily be 'Boom' for an unfortunate beetle...and no more 'adaptions' to get the mix right!!

The details of it: The beetle has a store (kept ready to use a small amount of) hydrogen peroxide, and hydroquinone. Using its several muscles it moves (shifts) some of the two chemicals into the 'combustion chamber' and it is soon ready for 'firing' at an enemy. It can do this many times. Where on earth does it get these chemicals? From the local hardware shop? From the local pharmacy (chemist), or does it make its own chemicals? And, if it does make its own how does it make its own chemicals? 'The answerer' does not know!! Do you have any ideas? I first found out about this beetle in a book I bought: Nature's Secret World (Marshall Cavendish, London, 1984). It has no single author but is a collection of many scientists work, in discovering the secrets.

One answer could be: "Oh-Mother Nature tops up the insect's tank." This name 'Mother Nature.' is a euphemism (a different name) for an unknown being that does 'good things' when the writer/teacher does not believe in God. Most convenient for the teacher but it shows that they are ignorant (do not know enough) to explain how things happen. That is a shame and a disappointment to a young person wanting to know something (but they are not told the truth).

Just maybe, like a fish that can extract (take) oxygen from the seawater through its gills, this beetle can extract the needed chemicals from plants and other things. They must do so – because they survive!!