

Class Amphibia has three orders
Anura (frogs and toads)
Urodela (salamanders and
newts)
Apoda (caecilians)


Dec 21 - 11:27 AM

Today's Amphibians Share Five Key Characteristics

1. Legs - an adaptation for living on land
2. Lungs- larval amphibians have gills, most adult use lungs
3. Double-loop circulation

Dec 21 - 11:28 AM

4. Partially divided heart- the atrium is divided into left and right sides, but the ventricle is not

5.  Cutaneous respiration- supplement oxygen intake by taking in air through their moist skin. This limits to maximum size of the animal because it needs a high skin surface to skin volume ratio

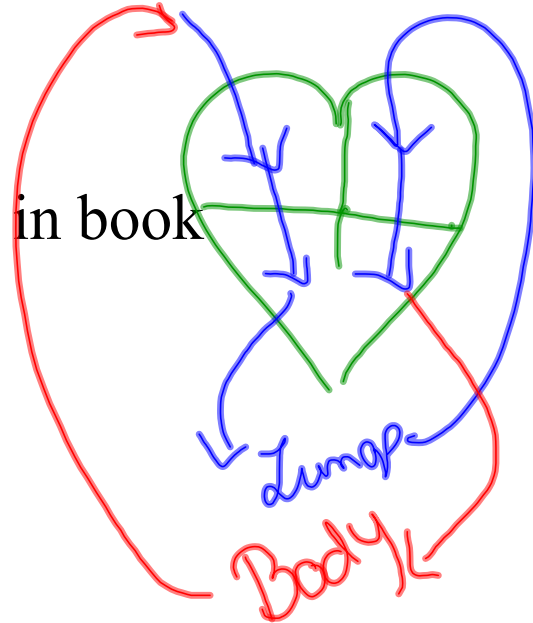
Dec 21 - 11:28 AM

Lungs- internal, baglike respiratory organ that allows carbon dioxide exchange between the air and the blood stream. The larger the surface area the more oxygen absorbed

Dec 21 - 11:28 AM

Double-loop circulation- the advantage is that oxygen rich blood can be pumped to the tissues at a higher pressure

Look at figure 34-13 in book



Dec 21 - 11:29 AM

Heart- the oxygen rich and oxygen poor blood enter separate and septum keeps in them separate in the atrium.

The blood is together in the ventricle though so why does it not completely mix?

density

Dec 21 - 11:29 AM