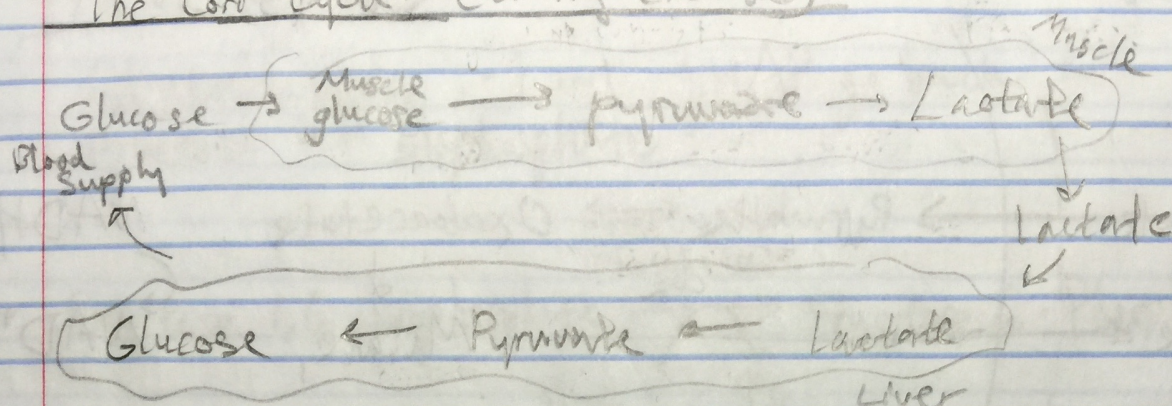


The Cori Cycle (during exercise)



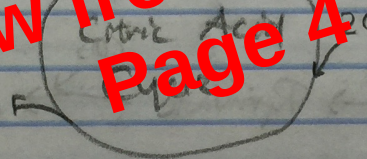
Carbohydrate dependent tissues (can't use fats / proteins).

- 1) Nervous system - brain
- 2) Erythrocytes - red blood cells

Sources of carbon for gluconeogenesis:

Pyruvate → Oxaloacetate → Glucose

Preview from Notesale.co.uk
Page 4 of 4



Acetyl CoA = Not a good carbon source for gluconeogenesis.
Majority of fat is not a good source.

Fat stored as triglyceride → Glycerol → Can be used as C source

✓ Lactate is a good source.

✓ Protein → Glucogenic Amino Acids → Pyruvate / oxaloacetate.

✓ Aspartate → Oxaloacetate

✓ Glutamate → α-ketoglutarate

✓ Alanine → Transamination → Pyruvate

