Name: _Key_   Quiz 16

How many ATP equivalents (ATP; GTP; UTP) does a hepatocyte overall gain or lose in each of the following processes:

- Glucose to two pyruvates +2
- Two pyruvates to glucose −6
- Glucose to ribose-5-phosphate −1
- One glucose added to glycogen −2
- Glycogen to one glucose 0

How many reducing equivalents (NADH or NADPH) does a hepatocyte overall gain or lose in each of the following processes:

- Glucose to two pyruvates +2
- Two pyruvates to glucose −2
- Glucose to ribose-5-phosphate +2
- One glucose added to glycogen 0
- Glycogen to one glucose 0