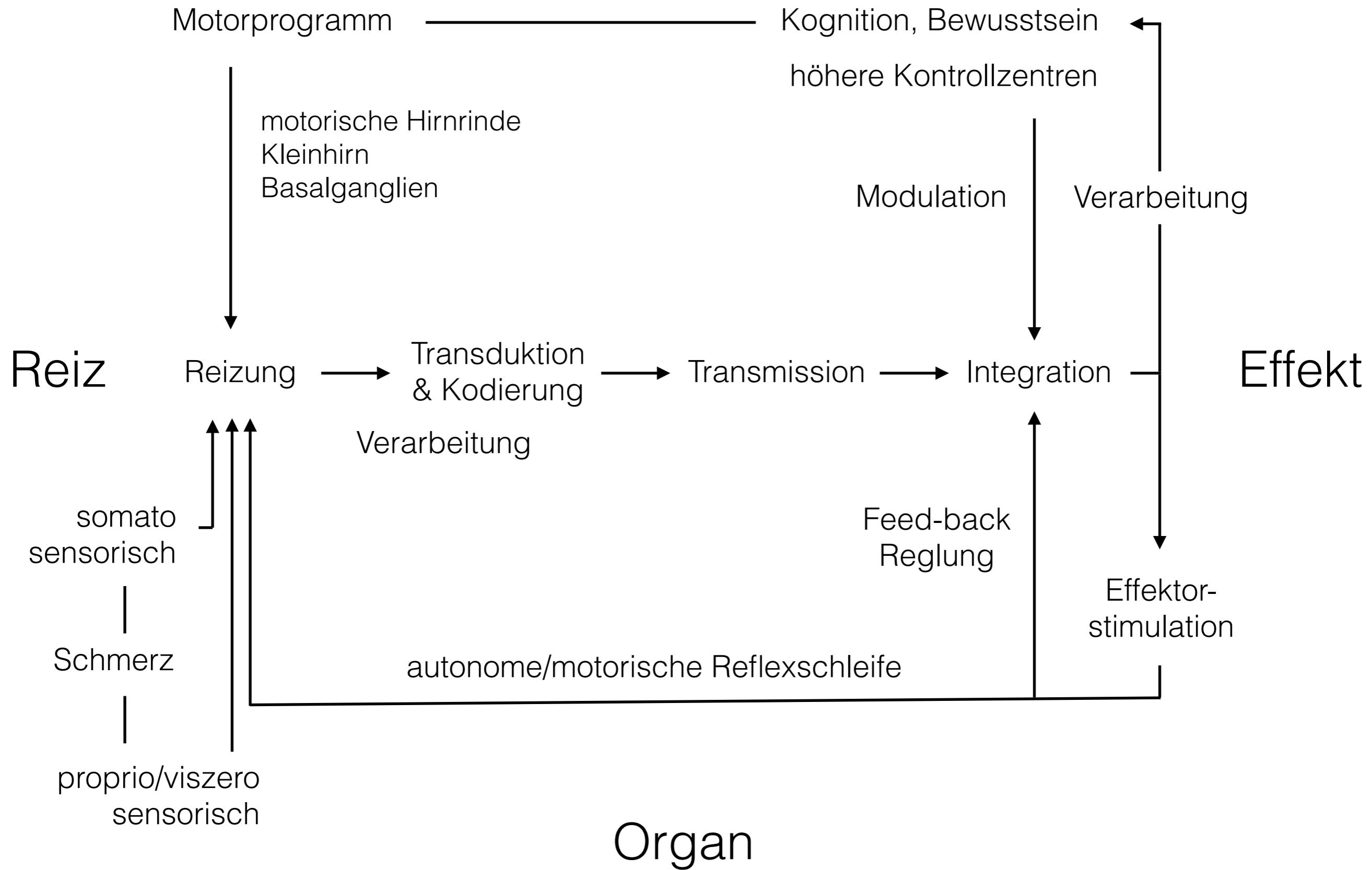
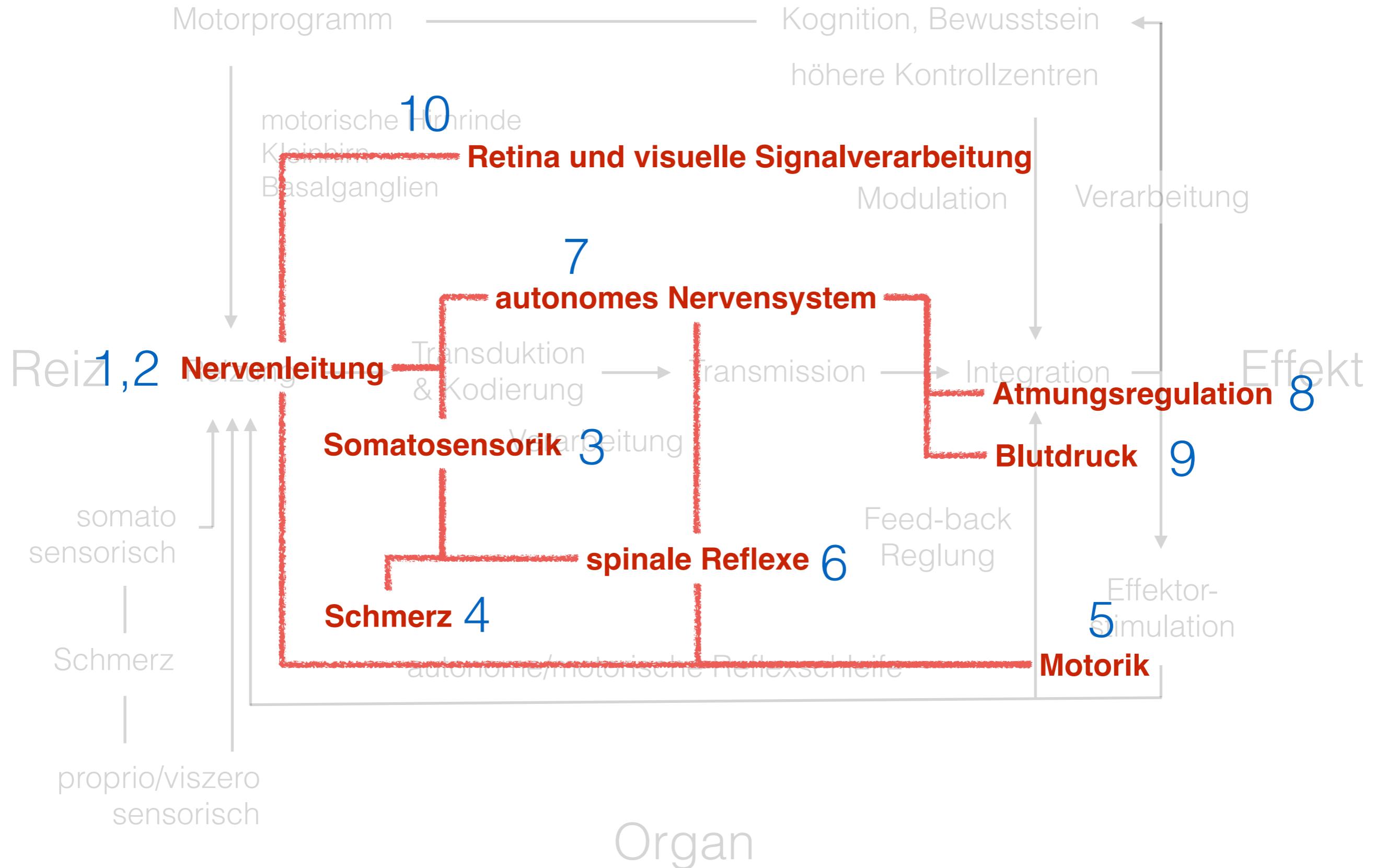


# Gehirn



# Systemphysiologie: Mechanismen der Sensorik und der Regulierung



# Homeostasis und physiologische "Exkursionen"

|                  | Normal Value | Normal Range   | Approximate Short-Term Nonlethal Limit | Unit    |
|------------------|--------------|----------------|--|---------|
| Oxygen           | 40           | 35-45          | 10-1000                                | mm Hg   |
| Carbon dioxide   | 40           | 35-45          | 5-80                                   | mm Hg   |
| Sodium ion       | 142          | 138-146        | 115-175                                | mmol/L  |
| Potassium ion    | 4.2          | 3.8-5.0        | 1.5-9.0                                | mmol/L  |
| Calcium ion      | 1.2          | 1.0-1.4        | 0.5-2.0                                | mmol/L  |
| Chloride ion     | 108          | 103-112        | 70-130                                 | mmol/L  |
| Bicarbonate ion  | 28           | 24-32          | 8-45                                   | mmol/L  |
| Glucose          | 85           | 75-95          | 20-1500                                | mg/dl   |
| Body temperature | 98.4 (37.0)  | 98-98.8 (37.0) | 65-110 (18.3-43.3)                     | °F (°C) |
| Acid-base        | 7.4          | 7.3-7.5        | 6.9-8.0                                | pH      |

Blutdruck, Körperhaltung, Muskeltonus, Atemfrequenz, usw...



# Generelle Kontrollmechanismen: Systemphysiologie

