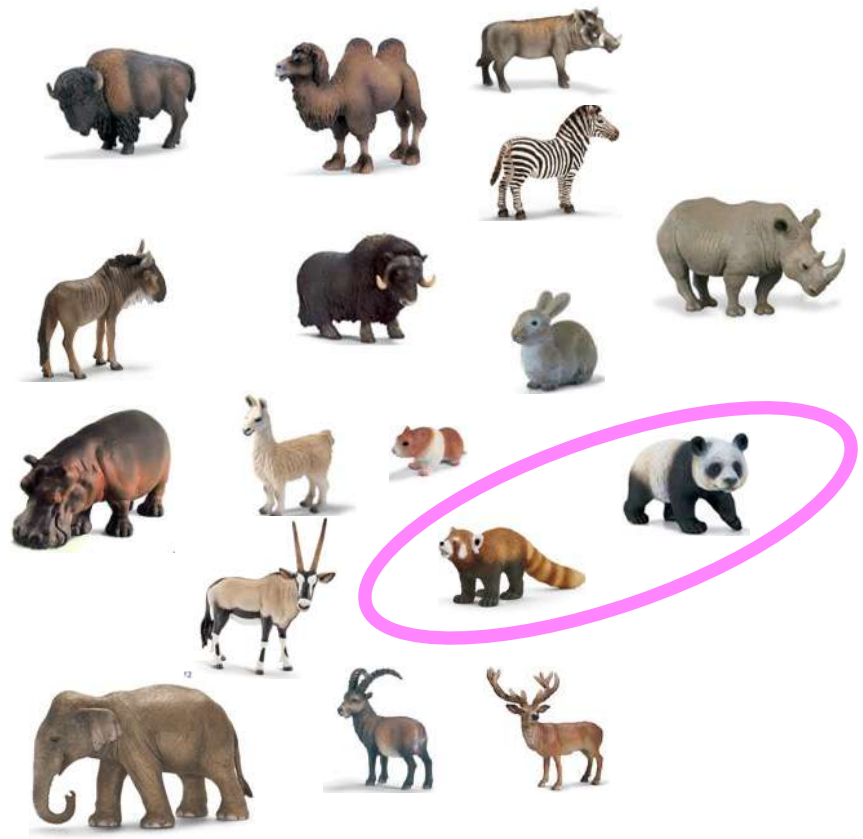
Speisekarte für Kamele

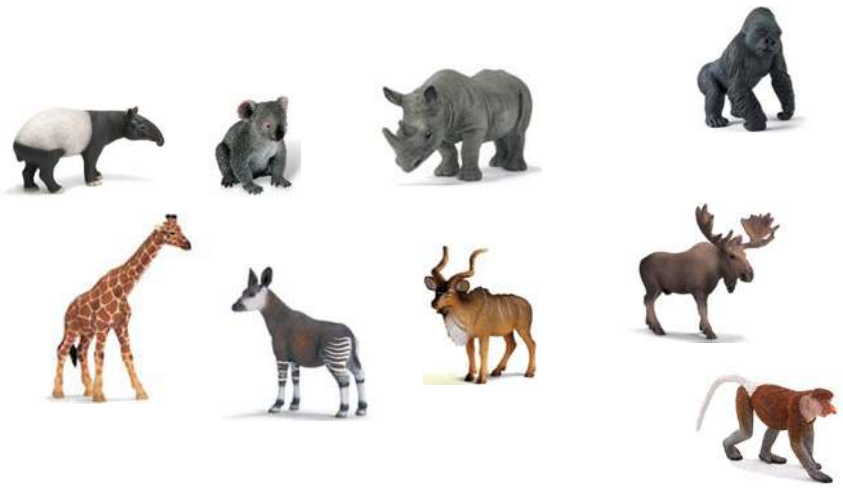
Marcus Clauss
Klinik für Zoo-, Heim- und Wildtiere, Vetsuisse-Fakultät, Universität Zürich
Science City Kids 20.03.2022

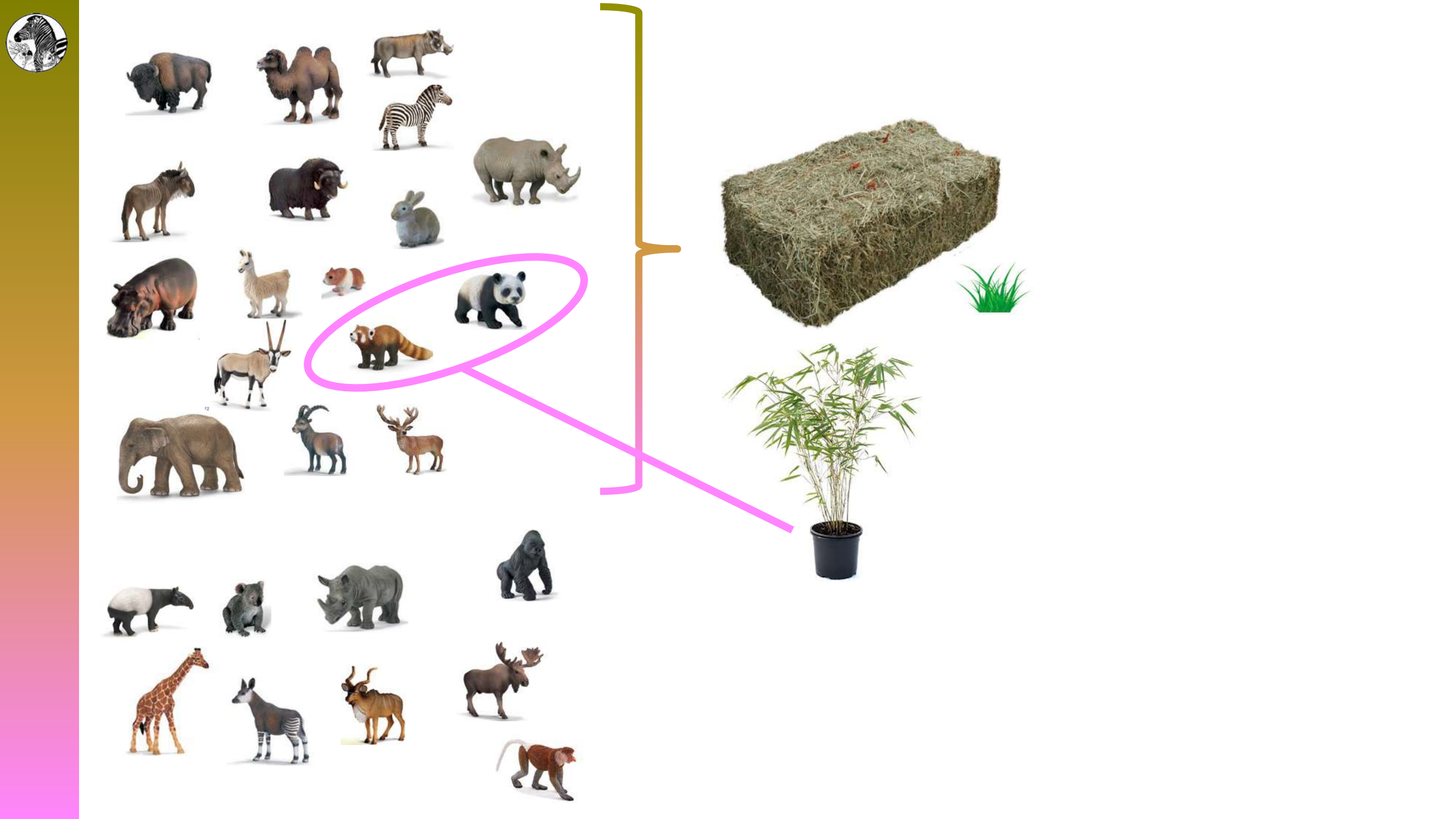
University of Zurich[UZH]

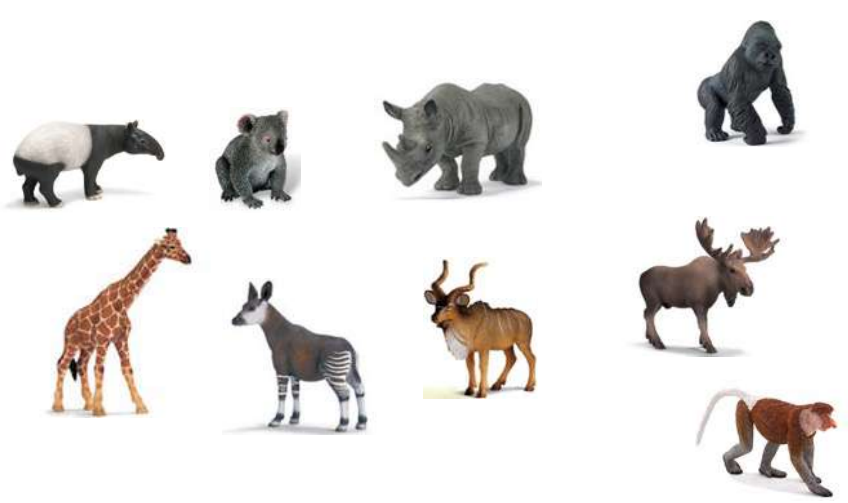
Clinic
of Zoo Animals, Exotic Pets and Wildlife

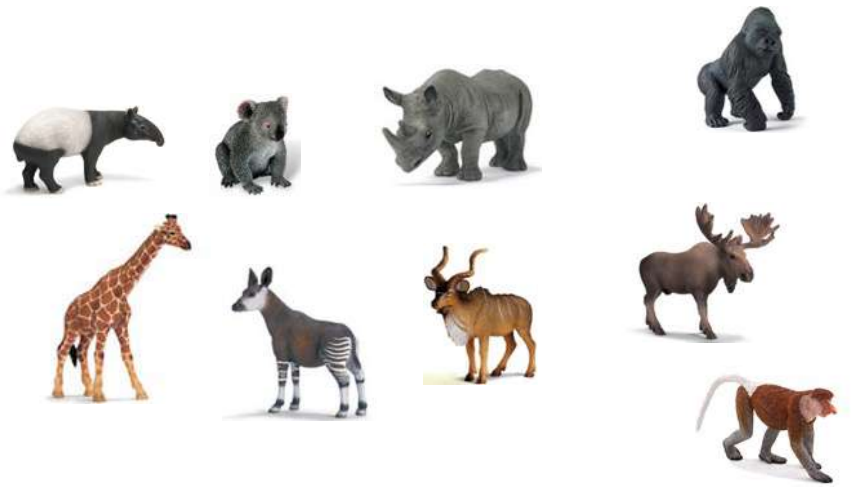
ZETOR





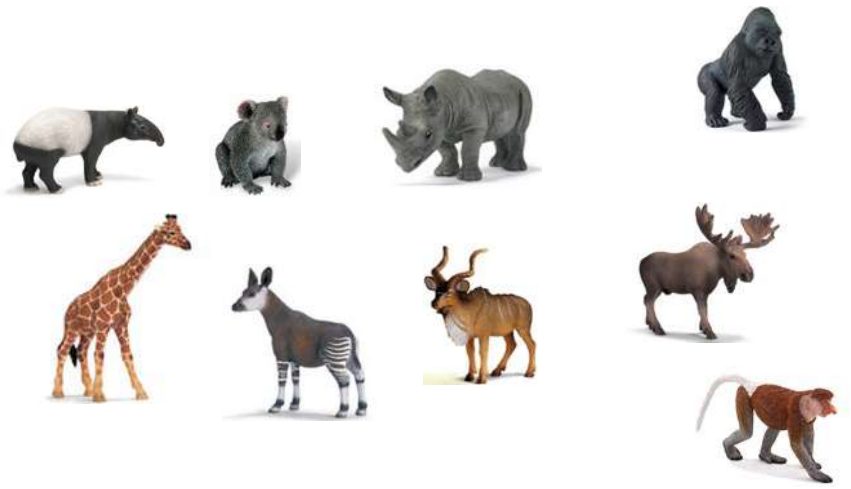






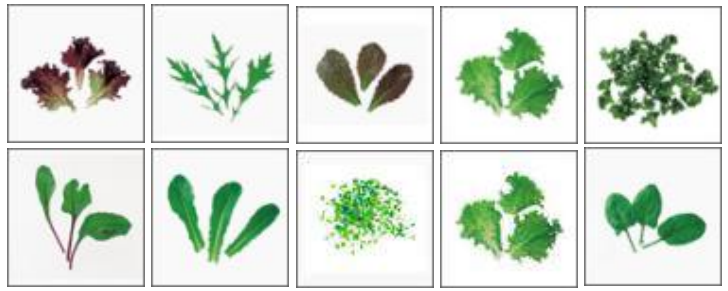
erziland
MILCH

erziland
MILCH



JR FARM
Obst-Salat

JR FARM
Drops gemischt



JR FARM
Obst-Salat
JR FARM
Drops gemischt

Obst enthält Zucker

DWW
AnimalWelfareWeb.nl

Sugars and other nutrients in produce (of fruits and vegetables)

All values expressed as g/kg wet weight, unless otherwise stated.

Fruits

Banana
Musa acuminata

104 gram sugar

Energy MJ	Dry Matter	NDF	ADF	Crude Protein	Fat	Ca	P	Mg	Fe	Vit. A RE	Vit. E α-TE	Vit. C
3.4	234	28.8	6.6	13.3	12.4	0.04	0.27	0.28	0.002	44.2	5.5	0.14

Apple
Malus domestica

86 gram sugar

Energy MJ	Dry Matter	NDF	ADF	Crude Protein	Fat	Ca	P	Mg	Fe	Vit. A RE	Vit. E α-TE	Vit. C
2.2	143	14.6	8.6	4.3	8.3	0.04	0.17	0.04	0.001	20.8	5.5	0.1

Orange
Citrus x sinensis

56 gram sugar

Energy MJ	Dry Matter	NDF	ADF	Crude Protein	Fat	Ca	P	Mg	Fe	Vit. A RE	Vit. E α-TE	Vit. C
2.2	130	14.3	9.2	7.8	4.9	0.35	0.22	0.1	0.001	40	5.5	0.5

Kiwi
Actinidia deliciosa

52 gram sugar

Energy MJ	Dry Matter	NDF	ADF	Crude Protein	Fat	Ca	P	Mg	Fe	Vit. A RE	Vit. E α-TE	Vit. C
2.5	156	25.3	19.7	12.9	8.3	0.32	0.33	0.13	0.003	31.4	5.5	0.65

Papaya
Carica papaya

27 gram sugar

Energy MJ	Dry Matter	NDF	ADF	Crude Protein	Fat	Ca	P	Mg	Fe	Vit. A RE	Vit. E α-TE	Vit. C
2.1	135	18.5	16.5	18.4	4.7	0.25	0.1	0.22	0.007	197	-	0.55

Vegetables

Carrot
Daucus caurota

45 gram sugar

Energy MJ	Dry Matter	NDF	ADF	Crude Protein	Fat	Ca	P	Mg	Fe	Vit. A RE	Vit. E α-TE	Vit. C
1.6	115	11.2	10.2	6.8	4	0.36	0.29	0.12	0.004	9170	5.5	0.02

Sweet potato
Ipomoea batatas

32 gram sugar

Energy MJ	Dry Matter	NDF	ADF	Crude Protein	Fat	Ca	P	Mg	Fe	Vit. A RE	Vit. E α-TE	Vit. C
3.0	197	39.4	9.7	8.3	11	0.45	0.47	0.15	0.009	3730	-	0.26

Celery
Apium graveolens

14 gram sugar

Energy MJ	Dry Matter	NDF	ADF	Crude Protein	Fat	Ca	P	Mg	Fe	Vit. A RE	Vit. E α-TE	Vit. C
0.9	71	11.1	8.9	12.2	2.1	0.57	0.3	0.08	0.004	14.2	2	0.2

Spinach
Spinacia oleracea

1 gram sugar

Energy MJ	Dry Matter	NDF	ADF	Crude Protein	Fat	Ca	P	Mg	Fe	Vit. A RE	Vit. E α-TE	Vit. C
1.1	83	16.7	9.7	32.1	6.6	1.29	0.41	0.26	0.05	3490	29	0.52

Endive
Cichorium endivia

0 gram sugar

Energy MJ	Dry Matter	NDF	ADF	Crude Protein	Fat	Ca	P	Mg	Fe	Vit. A RE	Vit. E α-TE	Vit. C
0.6	62	11	8.9	13	2	0.52	0.28	0.15	0.008	1030	-	0.07

Photos and design, Emile Prins, 2012.
Information used from Danish Food Composition Table and Schmidt *et al.*, (2005).

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Contact: Tjalling Huisman
Email: tjalling.huisman@wur.nl
Phone: +31-(0)58-2846311

Wie lange frisst ein Kaninchen bis es satt ist ?

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2 Stunden

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2 Stunden

10 Stunden

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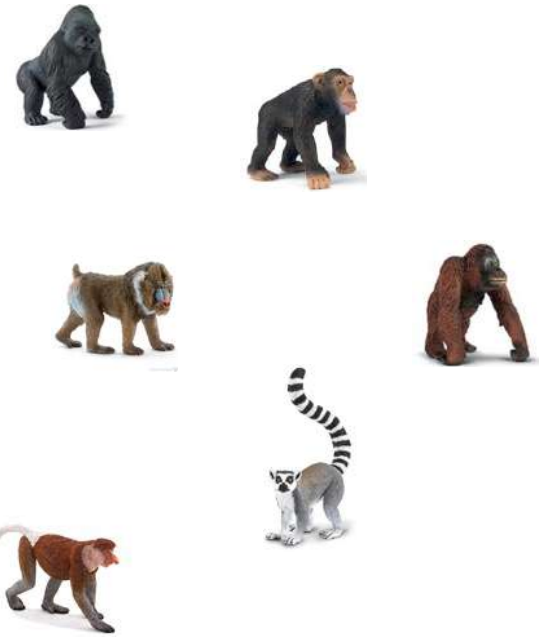
Futter-Anordnung für Pflanzenfresser

Futter-Anordnung für Pflanzenfresser

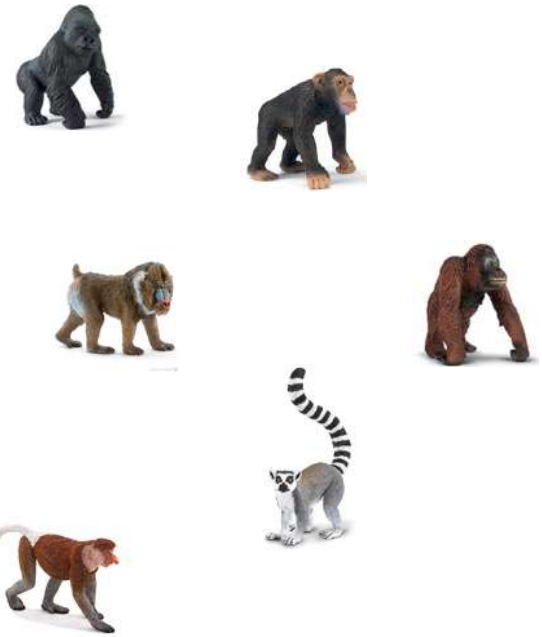
ZOOh!
ZÜRICH

Obst & buntes Gemüse



Obst & buntes Gemüse

Kalzium-Mangel



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Übergewicht, Karies, Aggression, Verhaltens-probleme

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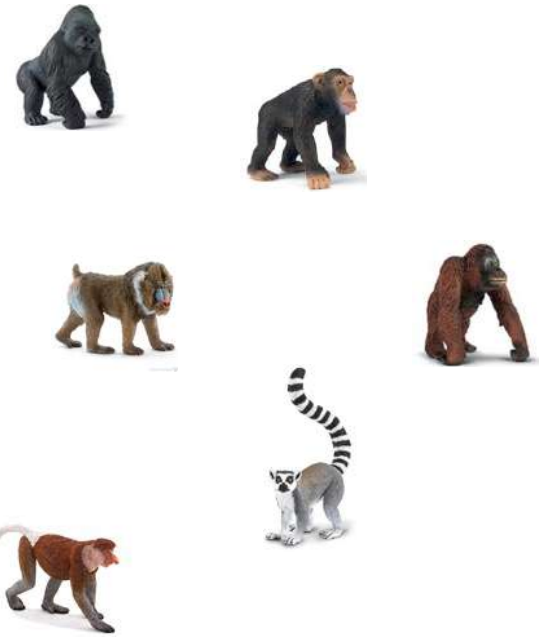

Obst & buntes Gemüse

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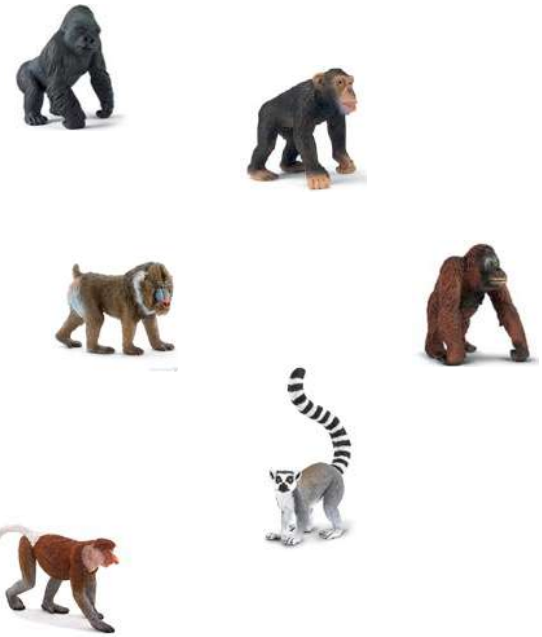
~~Kalzium Mangel~~

Übergewicht, Karies, Aggression, Verhaltens-probleme



Obst & buntes Gemüse

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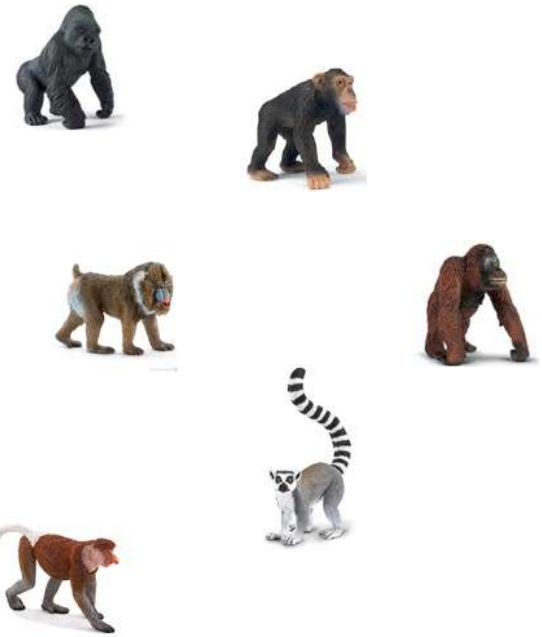

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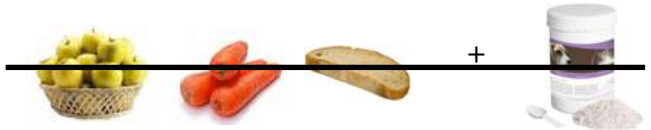

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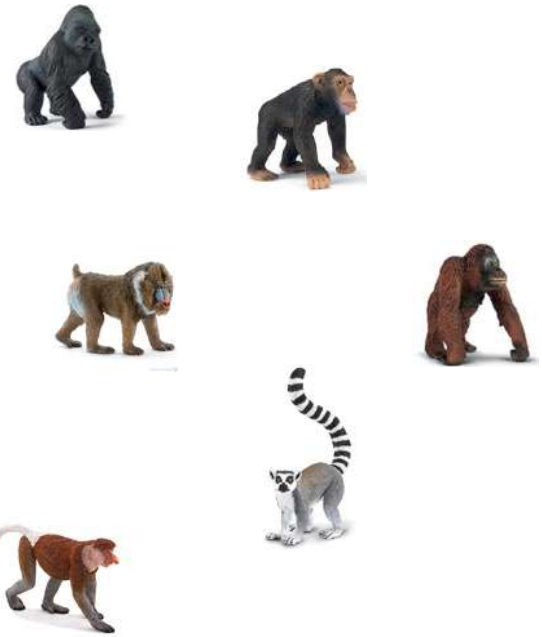

Obst & buntes Gemüse

~~Kalzium Mangel~~

~~Übergewicht,~~
Karies, Aggression,
~~Verhaltens-probleme~~

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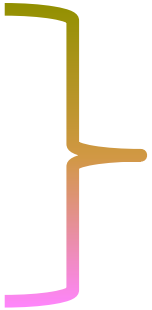
gute Präsentation = Beschäftigung !



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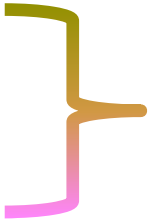
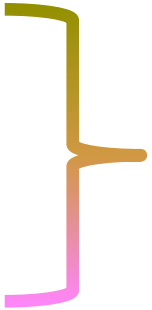
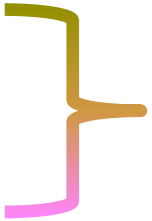
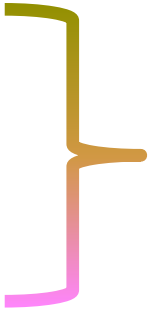








Zootierfütterung: kreative Lösungen

Ida Bähler (2020)

Fleisch

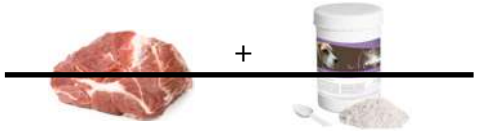
→ Fleisch

→ Kalzium-Mangel

Fleisch

~~Kalzium-Mangel~~

Fleisch



~~Kalzium-Mangel~~

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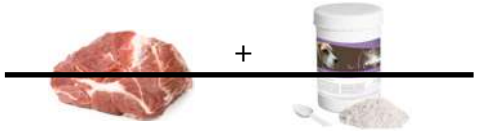
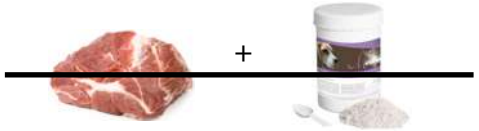


~~Kalzium-Mangel~~

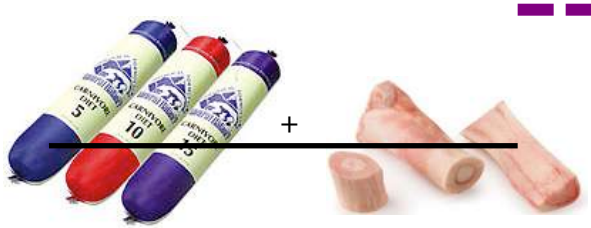
Zahnstein,
Übergewicht,
Verhaltens-
probleme

→ Fleisch → ~~Kalzium-Mangel~~



⇢ ~~Zahnstein~~, Übergewicht, Verhaltens-probleme

→ Fleisch → ~~Kalzium-Mangel~~



--→ ~~Zahnstein,~~ ~~Übergewicht~~, ~~Verhaltens-~~ ~~probleme~~

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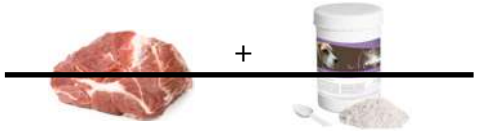

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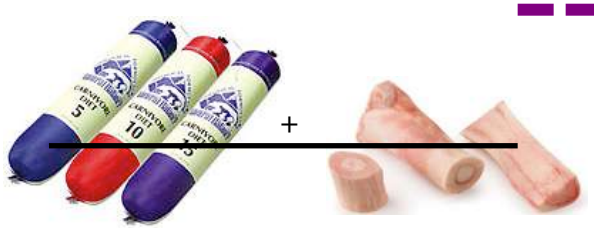

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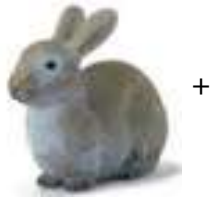

Gute Präsentation
= Beschäftigung !!

Zootierfütterung: kreative Lösungen

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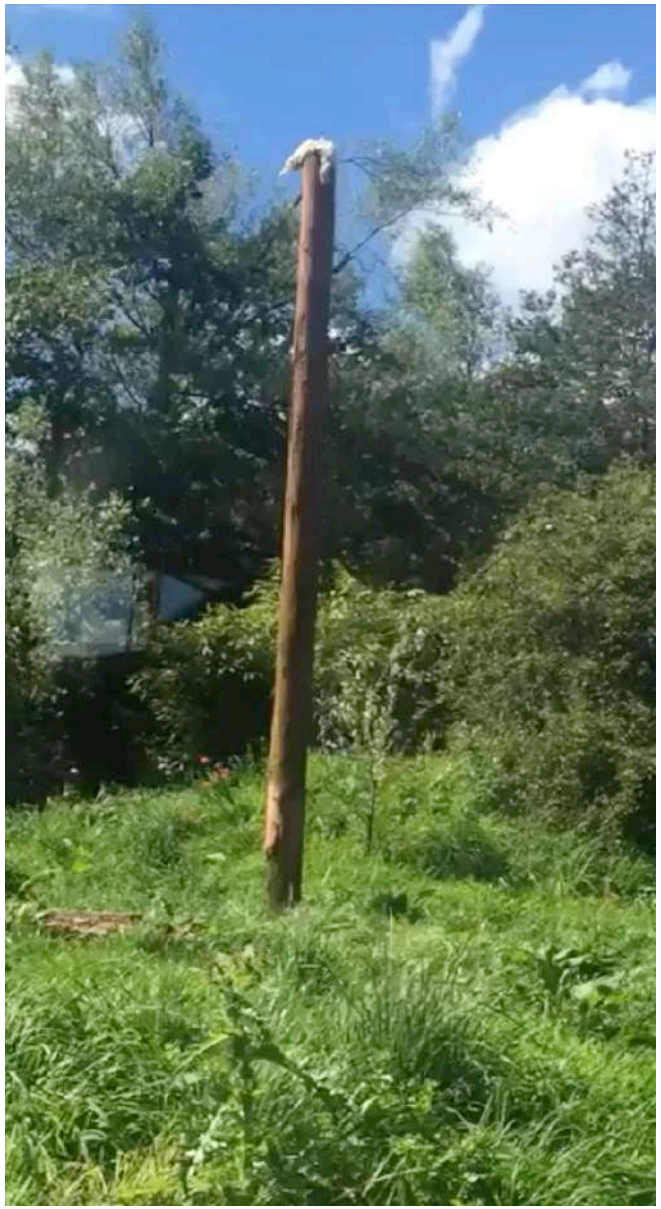
Anita Burkevica, Parken Zoo

Zootierfütterung: kreative Lösungen



Zootierfütterung: kreative Lösungen

Anita Burkevica, Parken Zoo

Zootierfütterung: kreative Lösungen

Was ist Fleisch ?

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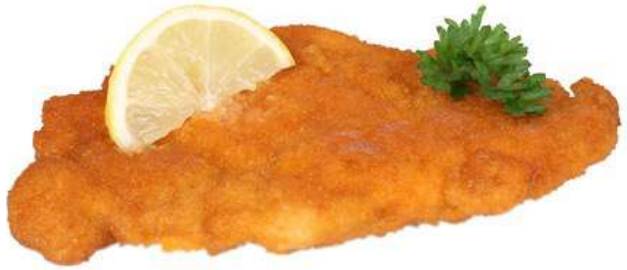

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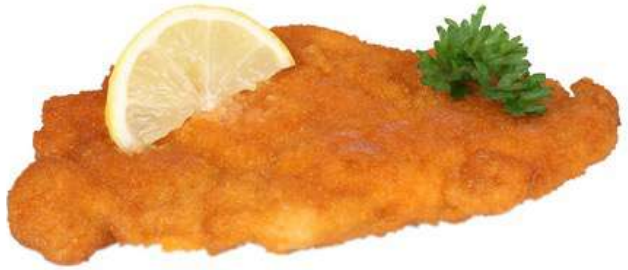

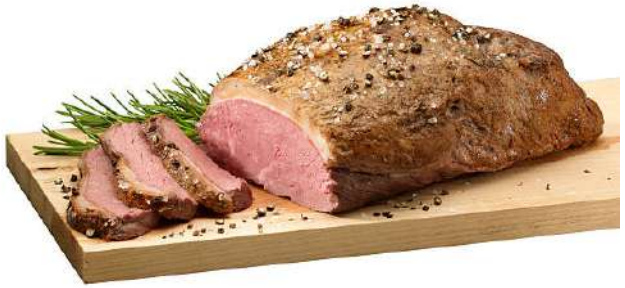

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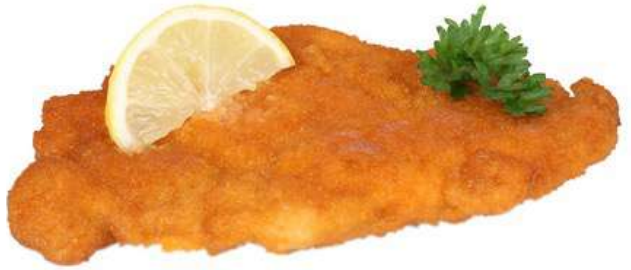

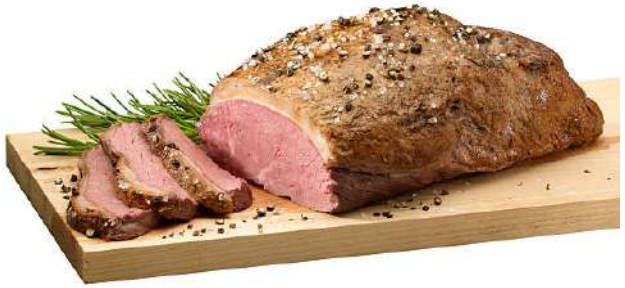

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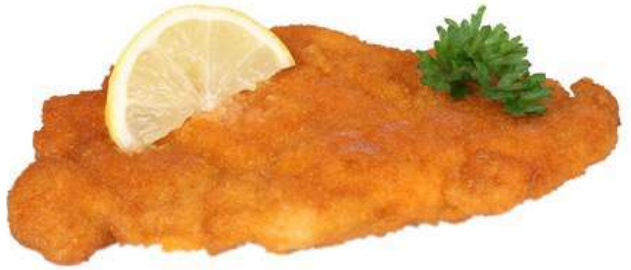
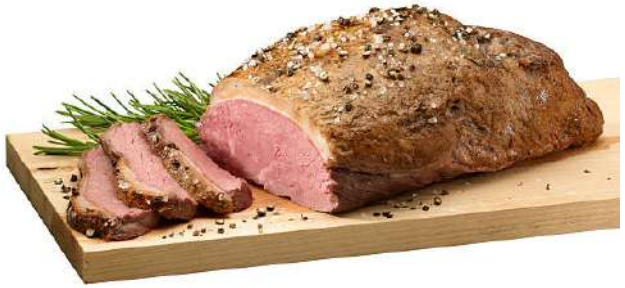
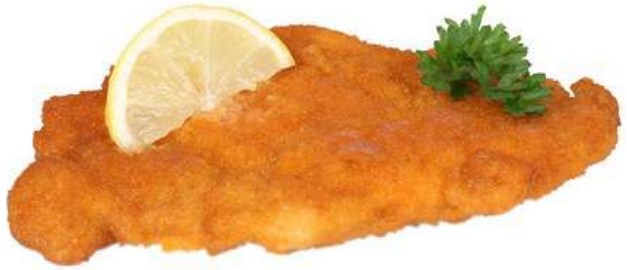
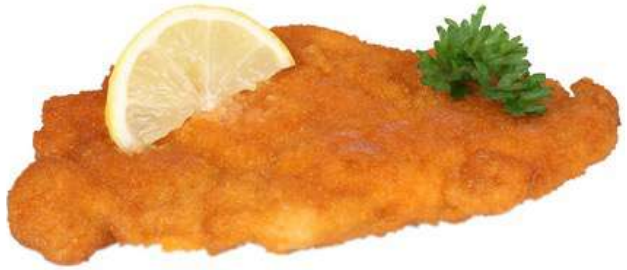




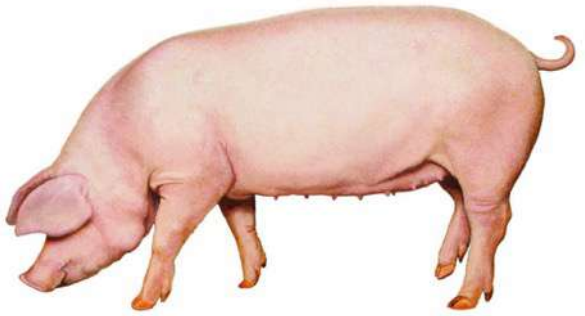
Was ist Fleisch ?



Was ist Fleisch ?



Fleisch = Tier



Was wollen wir sehen ?

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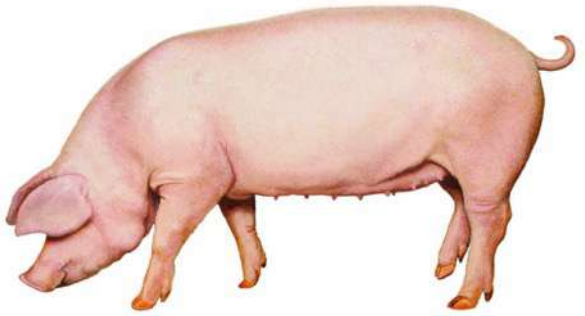
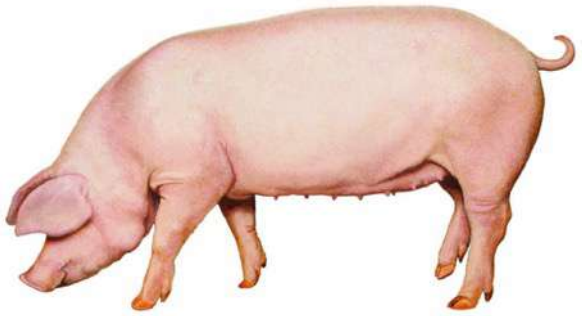
Was wollen wir sehen ?

Wo kommt das Fleisch her ?



Wie werden diese Tiere gehalten ?



‘Natürliche’ Gehege

‘Natürliche’ Fütterung

Wo kommt das Futter her ?

?

‘Künstliche’ Futtertierzucht ?

‘Natürliche’ Futtertierzucht ?

Wildnispark Zurich

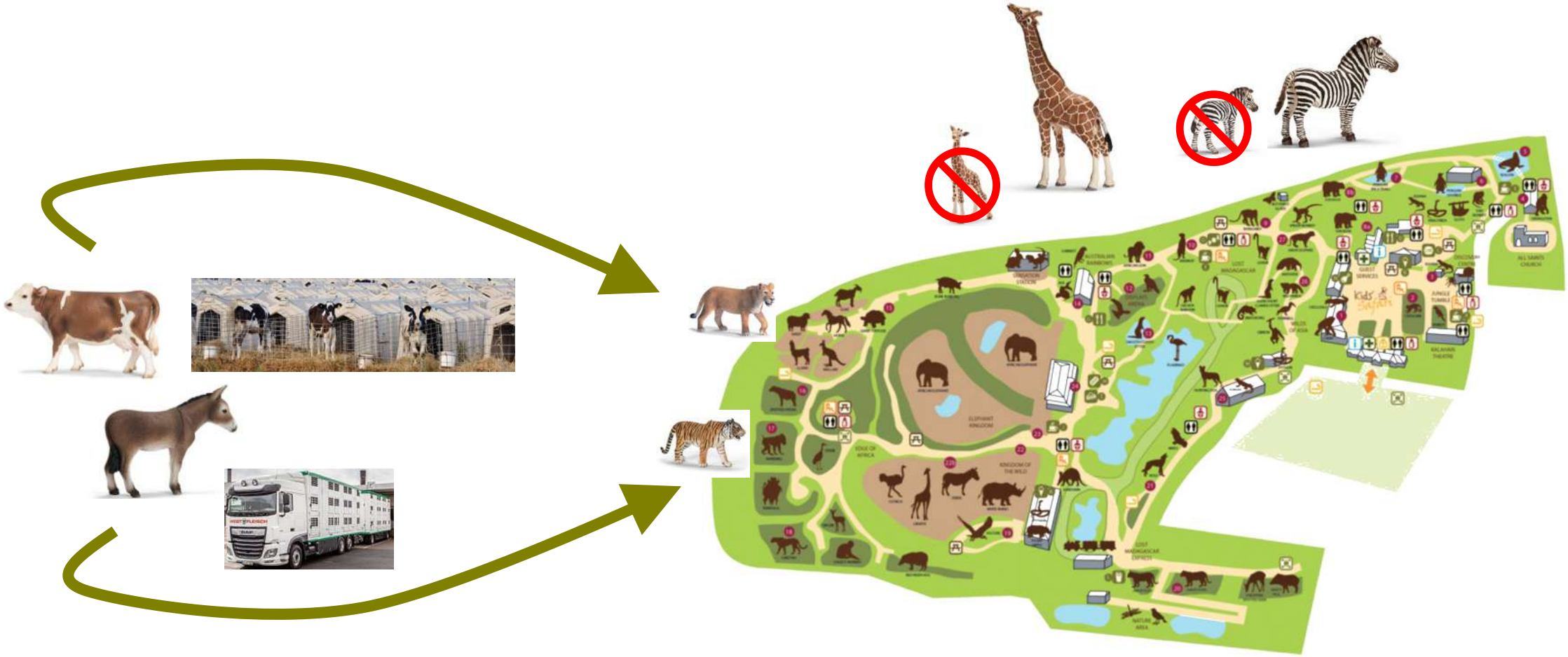
‘Künstliche’ Futtertierzucht ?

‘Künstliche’ Futtertierzucht ?

‘Natürliche’ Futtertierzucht ?

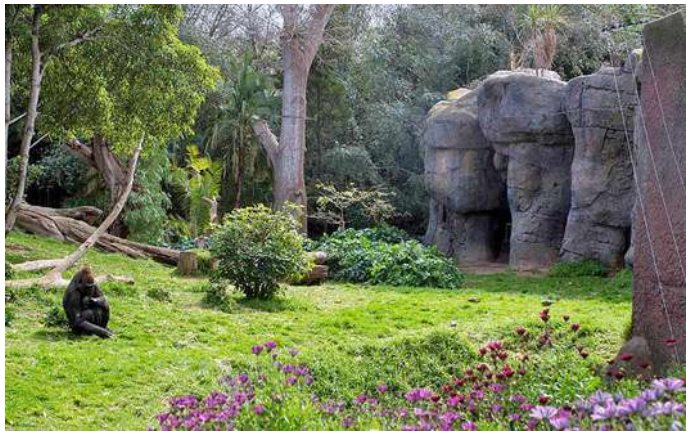
‘Natürliche’ Futtertierzucht ?

‘Künstliche’ Futtertierzucht ?



‘Natürliche’ Futtertierzucht ?

Sinnerfülltes Leben in einer angstfreien Umgebung



vielen Dank für Eure Aufmerksamkeit

und eine gute Zeit in der Zivilisation